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U. S. DEPARTMENT OF THE INTERIOR

PROTOTYPE OIL SHALE LEASING PROGRAM

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OIL SHALE TRACT C-b

DEVELOPMENT MONITORING REPORT #2

(October 1978 through April 1979)

Submitted to:

Mr. Peter A. Rutledge
Area Oil Shale Supervisor
Conservation District
U. S. Geological Survey
Grand Junction, Colorado

By:

C-b SHALE OIL PROJECT

OCCIDENTAL OIL SHALE, INC., LESSEE

JULY 15, 1979

RECEIVED
BY
DOE/OSTI

TABLE OF CONTENTS BY VOLUME NUMBER

VOLUME NUMBER	TABLE OF CONTENTS
I	INTRODUCTION
	I. PRE-EXPLORATION ENVIRONMENTAL RECONNAISSANCE SURVEYS
	II. ENVIRONMENTAL DEVELOPMENT MONITORING PROGRAMS
	A. Hydrology and Water Quality
	1. Surface Streams
	2. Springs and Seeps
	3. Ground Water
	B. Air Quality
	1. Air Quality and Surface Meteorology
	2. Low Altitude Meteorology
	3. Upper Air Studies
	4. Visibility
	5. Noise
	6. Atmospheric Diffusion Studies
	7. Particulate Analysis
	8. Trace Metals (Inactive)
	9. Inversion Studies
	10. Tethersonde Soundings
	11. Air Quality Assurance
II, III	References
III	C. Biology
	1. Terrestrial Wildlife Studies
	2. Aquatic Studies
	3. Terrestrial Vegetation Studies
	4. Soil Survey and Productivity Assessment (Inactive)
	5. Dendrochronology and Dendroclimatology (Inactive)
	III. OTHER STUDIES
	A. Fish and Wildlife Management Plan (Inactive)
	B. Revegetation Studies
	C. Microenvironmental Studies
	D. Tract Photography
	1. Surface Photography
	2. Aerial Photography
	E. Archaeological Studies
	F. Scenic Values Study (Inactive)
	G. Industrial Health and Safety
	H. Traffic Load
	I. Geology
	IV. DATA AUTOMATION
	A. Automation Status
	B. Station Computer Code
	C. Station Coordinates

DATA REPORT

AIR MONITORING REPORT
FOR
PROTOTYPE OIL SHALE LEASE TRACT C-B

OCTOBER 1978

Submitted July 15, 1979

PREPARED BY:
OCCIDENTAL OIL SHALE, INC. OPERATOR
P.O. BOX 2687
GRAND JUNCTION, COLORADO 81502

SITE AB20	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
NO						X										
NOX						X										
NO2						X										
O3						X										
CO																
SO2																
H2S						X										
PARTICULATE						X										
WIND SPEED						X										
WIND DIRECTION						X										
TEMPERATURE						X										
PRECIPITATION						X										
INVERSION HGT.						X										
STABILITY CLS 50M						X										
STABILITY CLS 200M						X										

SITE AB23 & AA23	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO						X											
NOX						X											
NO2						X											
03						X											
CO						X											
SO2						X											
H2S						X											
PARTICULATE						X											
WIND SPEED 10M						X											
WIND SPEED 30M						X											
WIND SPEED 60M						X											
WIND DIRECTION 10M						X											
WIND DIRECTION 30M						X											
WIND DIRECTION 60M						X											
SIGMA HOR WD 10M						X											
SIGMA HOR WD 30M																	
SIGMA HOR WD 60M																	
TEMPERATURE 10M						X											
TEMPERATURE 30M						X											
TEMPERATURE 60M						X											
DELTA T 60-10M						X											
PRECIPITATION						X											
EVAPORATION						X											
RELATIVE HUMIDITY						X											
SOLAR RADIATION						X											
BAROMETRIC PRESS.						X											
PILOT BALLOONS						X											

	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
SITE AD42																	
WIND SPEED 10M						X											
WIND DIRECTION 10M						X											
TEMPERATURE 10M						X											
PARTICULATE						X											
SITE AD56																	
WIND SPEED 10M						X											
WIND DIRECTION 10M						X											
TEMPERATURE 10M						X											
PARTICULATE						X											
SUMMARY REPORTS																	
STAB. CLASS DT/DZ						X											
FREQUENCY TABLES -																	
GASES vs WD AB20						X											
" " AB23						X											
FREQUENCY TABLES-																	
WS vs WD AB20						X											
" " AB23						X											
5 MAX IND. SLIDING																	
AVERAGES AB20						X											
" AB23						X											
" AD42						X											
" AD56						X											
DATA COLLECTION -																	
EFFICIENCY AB20						X											
" AB23						X											
" AD42						X											
" AD56						X											

SUMMARY REPORTS (Continued)	1978								1979								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
VECTOR AVERAGES																	
WD & WS AB20						X											
" AB23						X											

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	2	1	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	2	0	0	(MT)	0	0	(MT)	(MT)	0	0	0	0	0	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	10	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	1	1	1	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	6	10	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0		10

(05/14/79-RPI)

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	4	2	0	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	4	2	0	0	0	4	0	2	0	0	0	0	0	0	0	1	0	0	1	0	0	0		4

(05/14/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	4	4	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	4
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	4	0	0	(MT)	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	4
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	4	2	2	0	(MT)	0	0	47	0	0	0	0	0	0	0	0	0	0	2	47
24	0	0	0	0	0	0	9	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	9	4	6	2	4	4	0	47	0	0	2	0	0	0	0	0	0	0		47

(05/14/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	6	6	8	0	0	0	11	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	2	11
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	0
12	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	( )	( )
13	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(PE)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	( )	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	6	6	8	0	0	0	11	0	6	0	0	0	0	0	0	0	9	0	0	6	0	0	0		11

(05/14/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	(MT)	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	2	0	0	0	(MT)	0	0	47	0	0	0	0	0	0	0	0	0	0	2	47
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	2	4	6	0	0	2	0	47	0	0	2	0	0	0	0	0	0	0		47

(05/14/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	6	0	4	0	0	0	6	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	1	8
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	0
12	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	( )	( )
13	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	( )	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	6	0	4	0	0	0	6	0	2	0	0	0	0	0	0	0	8	0	0	4	0	0	0		8

(05/14/79-RPI)

OZONE
(UG/M3)

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	29	20	24	25	25	27	29	29	29	33	43	43	43	43	43	43	49	49	49	43	39	35	24	22	35	49
2	20	20	18	22	20	18	18	16	20	22	37	39	39	41	43	(CA)	69	65	55	37	20	25	22	20	31	69
3	20	22	24	24	24	20	20	20	24	39	49	59	55	61	59	59	63	61	47	29	24	24	24	29	36	63
4	24	29	29	31	29	29	25	24	25	39	47	63	57	59	69	69	69	63	59	39	29	24	20	20	40	69
5	25	24	22	20	20	22	20	20	24	49	59	49	55	51	57	84	94	84	63	67	43	43	41	35	45	94
6	37	35	39	41	39	41	37	29	35	55	61	57	74	78	78	78	76	76	63	41	37	37	37	37	51	78
7	43	43	39	41	43	41	35	69	78	88	98	114	110	114	114	114	112	96	78	73	69	69	73	69	76	114
8	74	76	74	74	78	78	63	69	78	98	108	108	110	108	110	114	114	108	98	78	78	69	69	74	88	114
9	74	74	69	74	71	74	69	74	78	98	102	114	(CA)	69	65	63	59	49	39	35	25	20	22	20	62	114
10	20	20	20	20	20	20	20	22	29	51	55	59	63	69	69	69	69	61	39	39	29	29	35	29	40	69
11	29	35	35	39	35	35	29	39	43	59	69	65	63	59	49	20	16	10	4	2	2	6	4	24	32	69
12	25	31	18	2	2	2	2	16	16	18	22	25	29	33	25	25	25	29	31	31	18	8	4	4	18	33
13	2	2	2	0	0	0	0	4	10	16	53	53	59	78	73	65	59	43	37	37	20	24	24	20	28	78
14	29	29	29	25	29	29	24	25	39	59	69	65	67	55	59	69	61	49	29	24	20	24	29	29	40	69
15	29	35	24	29	29	29	25	29	39	55	59	59	65	63	63	63	55	43	35	29	20	22	29	29	40	65
16	29	31	35	39	35	39	29	33	37	53	53	47	55	57	59	59	65	69	45	35	33	31	31	29	43	69
17	35	29	29	31	31	31	20	24	27	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	( )	35
18	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(VA)	45	55	55	49	51	49	49	45	39	16	10	10	10	6	6	33	55
19	10	2	4	4	6	0	2	2	0	14	24	39	43	47	49	51	49	45	29	20	16	12	16	16	21	51
20	16	16	16	16	24	33	39	39	24	25	14	43	45	41	39	39	35	35	39	39	37	37	35	20	31	45
21	35	18	16	14	12	18	4	2	4	4	10	22	24	24	24	22	20	14	16	6	2	0	0	2	13	35
22	4	20	16	35	33	25	29	22	16	16	20	25	24	25	29	25	29	24	16	4	0	2	2	2	13	35
23	0	0	0	0	0	0	0	0	0	24	33	35	45	43	45	49	43	29	16	16	16	6	10	10	17	49
24	6	2	2	4	2	2	0	0	2	2	16	39	35	49	49	55	49	43	39	29	24	37	41	35	23	55
25	39	39	35	22	39	43	49	49	49	47	45	49	53	59	59	59	49	39	29	20	20	14	14	14	39	59
26	20	24	14	20	20	18	16	14	14	35	53	59	69	63	59	59	63	47	39	35	35	35	35	29	36	69
27	24	24	24	20	24	20	20	16	24	29	45	61	69	69	73	65	45	35	20	24	29	24	24	24	34	73
28	25	29	33	35	33	29	33	29	33	39	53	59	63	63	59	59	53	59	55	49	49	45	39	39	44	63
29	41	41	43	49	49	65	59	43	45	69	69	74	76	82	82	82	88	88	59	55	55	51	47	45	61	88
30	39	35	33	24	29	20	20	10	14	39	55	53	49	47	45	45	47	31	20	20	20	14	24	20	31	55
31	16	14	14	14	14	16	10	10	24	29	39	59	59	59	59	59	53	35	29	24	20	16	16	14	29	59
AV	27	27	26	26	27	28	25	26	29	42	50	56	57	59	58	59	57	51	40	33	28	26	26	25	38	
PK	74	76	74	74	78	78	69	74	78	98	108	114	110	114	114	114	114	108	98	78	78	69	73	74		114

(05/14/79-RPI)

OZONE
(UG/M3)

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	82	82	82	88	84	86	88	80	82	84	82	80	78	78	78	78	78	80	67	69	63	59	61	61	77	88
2	61	59	59	61	59	59	57	55	63	73	78	76	76	78	78	76	76	76	76	65	69	65	69	71	68	78
3	69	65	61	61	65	61	61	59	59	69	76	76	82	82	82	82	82	69	69	71	71	74	76	80	71	82
4	80	78	78	78	76	76	73	65	71	82	80	78	78	78	76	76	76	73	73	71	67	65	61	63	74	82
5	65	69	61	61	61	59	63	57	57	63	69	78	82	86	86	96	96	90	78	78	80	78	74	76	74	96
6	73	71	74	78	76	78	78	71	74	80	92	92	92	92	88	86	86	82	78	74	76	76	73	76	80	92
7	78	80	73	76	76	78	69	69	71	78	86	86	86	84	84	80	78	73	67	65	63	63	67	71	75	86
8	74	78	78	76	80	80	78	67	71	78	82	86	80	80	80	80	80	78	74	76	73	71	67	69	77	86
9	73	73	71	73	73	74	71	63	65	(CA)	88	82	80	78	78	78	78	73	67	59	59	59	61	61	71	88
10	59	61	61	59	57	61	61	57	57	69	76	76	80	80	80	80	80	78	71	71	73	76	80	78	70	80
11	78	78	78	78	74	76	74	69	67	84	84	78	76	74	73	71	73	69	57	74	74	74	71	69	74	84
12	67	61	59	59	59	55	49	45	55	63	63	65	65	69	69	67	65	67	65	78	78	76	78	76	65	78
13	74	69	63	65	57	59	57	55	57	59	71	76	80	88	90	84	78	78	73	71	71	74	74	73	71	90
14	71	73	73	74	73	73	71	67	65	74	78	82	84	74	76	76	78	74	65	73	76	74	73	74	74	84
15	74	76	69	73	73	73	71	63	67	71	78	76	78	78	78	78	76	73	71	67	67	67	67	69	72	73
16	73	71	74	76	76	74	74	71	67	74	74	76	78	80	82	86	90	88	80	78	82	78	80	80	78	90
17	80	78	78	78	76	76	78	78	73	78	86	88	88	84	84	86	86	86	78	74	71	69	74	76	80	88
18	74	74	78	76	73	73	69	71	74	80	76	80	80	80	82	76	74	74	67	67	67	67	69	71	74	82
19	71	67	67	67	69	67	69	65	59	61	69	74	76	78	78	78	73	71	67	67	67	69	71	67	69	78
20	65	67	65	69	67	67	65	59	59	67	65	74	74	73	69	67	63	63	65	63	61	57	55	57	65	74
21	55	49	47	47	47	47	43	37	41	41	37	47	55	49	49	47	45	45	41	37	37	33	35	31	44	55
22	35	37	41	57	59	47	51	47	39	37	41	43	49	53	51	51	51	49	47	43	39	35	31	39	45	59
23	39	39	35	35	39	39	39	41	47	49	49	55	63	67	71	67	65	65	57	49	47	51	51	53	50	71
24	49	43	45	47	47	43	43	43	35	35	45	61	65	55	61	63	63	61	59	59	55	59	59	59	52	65
25	59	57	57	53	41	51	59	63	59	55	57	61	63	73	73	74	74	69	71	69	67	67	67	69	63	74
26	73	69	69	65	71	73	67	67	61	67	74	76	76	76	76	76	69	67	65	63	63	63	65	67	69	76
27	67	67	69	71	73	69	69	65	61	63	67	76	78	78	78	76	76	71	69	71	73	74	74	76	71	78
28	78	78	78	76	76	76	78	76	74	76	78	78	76	76	76	76	76	74	73	73	69	69	71	71	75	78
29	74	74	69	69	69	71	69	69	73	78	78	80	88	92	92	94	94	88	88	88	88	88	82	82	81	94
30	63	63	59	59	55	55	57	57	59	59	63	63	65	69	69	63	65	69	63	55	57	59	59	59	61	69
31	59	59	57	59	47	61	63	57	55	69	74	76	76	74	74	74	74	67	61	61	65	65	59	63	65	76
AV	67	67	65	67	65	66	65	61	62	67	72	74	76	76	76	76	75	72	68	67	67	66	66	67	69	
PK	82	82	82	88	84	86	88	80	82	84	92	92	92	92	92	96	96	90	88	88	88	88	82	82		96

(05/14/79-RP1)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
2	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
3	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
4	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
5	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
6	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
7	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
8	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
9	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	(CA)	0	0	0	0	0	0	0	0	0	0	( )	0
10	0	0	0	0	0	100	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
11	0	0	100	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
12	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
13	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100
14	100	100	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	100	100	100	0	0	100	100
15	0	100	0	0	0	100	0	100	100	100	0	0	0	0	0	0	0	100	0	0	0	0	100	0	0	100
16	0	100	0	0	0	0	100	100	100	(CA)	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100
17	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
18	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	100
19	100	100	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	100
20	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100
21	100	100	100	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	1100	100	100	100	100	100	0	0	100	0	0	100	1100
22	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	100
23	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	100	100	0	0	100	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100
26	0	0	0	0	0	100	100	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	0	0	0	100
27	0	0	0	0	0	100	100	0	0	100	100	0	0	0	0	0	0	0	0	0	0	100	100	0	0	100
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	100	0	100	0	0	100
29	0	0	100	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
30	0	0	0	0	0	100	0	0	0	0	100	0	0	0	0	0	0	100	0	0	0	0	100	100	0	100
31	100	100	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100	100	100	0	0	0	100	0	0	100
AV	0	0	0	0	0	100	100	0	0	0	0	0	0	100	0	0	0	0	0	0	100	0	0	0	0	
PK	100	100	100	0	100	100	100	100	100	100	100	0	0	1100	100	100	100	100	100	100	100	100	100	100		1100

(05/14/79-RPI)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	200	200	200	200	100	100	100	100	100	200
3	0	0	0	0	0	0	0	0	100	200	300	200	100	100	100	0	0	0	0	0	0	0	0	0	100	300
4	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	200	200	100	100	100	0	0	0	0	0	200
5	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	100	100	0	100	0	0	0	0	100
6	0	0	0	0	0	0	0	0	0	200	300	300	300	200	200	200	100	100	100	100	100	100	100	100	100	300
7	0	100	100	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	0	0	100
8	100	0	0	0	0	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
9	100	100	100	100	100	100	100	100	100	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	100	100
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	100	100	300	300	300	0	0	0	0	0	0	0	0	0	0	100	300
12	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	100
13	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
14	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	100
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	100	200	0	0	0	0	0	0	0	0	0	0	0	200
17	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
18	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	100
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	100
22	100	100	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	200	0	0	0	100	0	0	0	200
23	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	100
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
28	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	100
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	
PK	100	100	100	100	100	100	100	100	100	200	300	300	300	300	200	200	200	200	200	200	100	100	100	100		300

(05/14/79-RPI)

SULFUR DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

(05/14/79-RPI)

HYDROGEN SULFIDE
(UG/M3)

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

(05/14/79-RPI)

PARTICULATE DATA 24-HOUR AVERAGE (UG/M3)
CB-TRACT
OCCIDENTAL OIL SHALE INC.

MO	DY	YR	TRL20	TRL23	TRL42	TRL56
10	3	78	22.5	18.9	8.8	11.8
10	5	78	21.6	19.5	11.6	10.8
10	8	78	29.4	17.1	14.3	15.5
10	11	78	31.5	32.3	48.0	15.1
10	14	78	60.9	23.0	39.8	36.7
10	17	78	41.3	28.8	31.7	56.4
10	20	78	23.8	19.3	20.0	34.9
10	23	78	6.1	9.6	6.1	2.3
10	26	78	( )	6.5	8.3	9.0
10	29	78	18.2	0.7	26.0	28.4
		AV	28.4	17.6	21.5	22.1
		GM	23.6	12.8	17.3	16.2
		PK	60.9	32.3	48.0	56.4

WIND SPEED @10M
METERS/SEC

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	2	2	2	2	2	2	2	3	2	2	4	4	5	4	4	4	4	3	3	1	1	0	0	3	5
2	0	0	1	1	1	2	2	2	1	1	1	3	4	4	3	3	3	2	2	1	1	1	1	1	2	4
3	1	1	1	1	1	1	1	1	3	3	1	2	3	4	3	2	1	2	2	2	2	1	1	2	2	4
4	2	3	2	2	4	2	2	2	4	3	2	3	3	2	3	2	3	2	2	1	1	1	2	2	2	4
5	1	1	1	1	3	1	2	1	3	2	2	3	4	4	3	2	2	2	1	0	1	1	2	2	2	4
6	2	2	1	1	2	1	1	1	1	2	2	3	3	4	2	2	2	2	1	1	1	1	1	2	2	4
7	2	1	1	1	1	1	1	1	2	1	3	3	3	2	3	3	2	1	2	1	1	2	1	1	2	3
8	2	2	2	2	2	1	1	0	1	1	1	3	4	4	3	4	5	3	0	0	1	0	1	2	2	5
9	1	1	2	1	1	2	1	2	2	0	1	2	3	2	1	2	2	1	1	1	1	2	2	1	2	3
10	2	1	2	2	1	2	2	3	3	1	2	3	3	2	2	4	3	1	1	1	1	2	2	2	2	4
11	2	2	2	1	1	2	2	4	3	1	1	2	2	3	3	3	3	2	1	1	2	2	2	2	2	4
12	3	2	2	1	2	2	3	4	3	2	3	1	2	3	5	5	4	2	1	1	2	2	2	2	2	5
13	1	1	1	1	1	2	2	2	2	1	1	3	3	3	2	2	1	0	0	0	1	1	2	2	2	3
14	1	1	1	1	1	2	1	2	3	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	3
15	2	1	1	2	2	2	2	2	3	1	3	2	3	2	2	3	1	1	1	1	2	2	2	1	2	3
16	1	1	1	3	3	3	2	3	4	1	3	4	4	3	4	4	4	1	2	1	2	2	2	1	3	4
17	1	1	2	4	2	1	2	2	2	1	1	3	4	4	4	3	2	0	1	1	1	1	1	0	2	4
18	2	3	3	1	2	3	2	2	1	2	2	2	3	1	1	3	1	1	1	1	1	2	1	2	2	3
19	1	1	1	1	2	1	1	0	1	2	2	2	4	4	4	3	3	1	1	1	2	2	2	1	2	4
20	1	1	2	1	2	3	2	2	2	1	0	3	4	3	2	1	1	1	3	3	2	3	1	0	2	4
21	2	2	1	1	1	2	1	0	1	3	4	2	2	2	2	1	2	2	1	0	0	0	1	1	1	4
22	1	1	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	1	1	1	0	1	0	0	2	4
23	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	1	1	1	1	2	4	2	2	1	1	1	1	2	1	1	2	4
24	1	0	1	2	2	1	1	2	1	1	1	1	3	3	1	3	2	1	1	1	1	1	3	2	2	3
25	1	1	1	1	3	3	3	2	3	3	3	4	4	5	5	4	3	2	1	1	1	2	2	2	3	5
26	1	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	3	1	3	2	2	2	1	2	2	3
27	2	1	1	1	1	1	1	2	3	2	2	2	1	2	2	3	3	1	1	2	2	2	1	2	2	3
28	1	1	2	2	1	2	4	4	4	3	1	1	1	3	4	4	3	2	2	1	1	1	2	2	2	4
29	1	3	4	4	1	2	3	1	2	4	3	4	4	6	5	4	4	1	1	1	2	2	2	2	3	6
30	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	4	2	0	1	1	0	1	1	1	1	4
31	2	2	1	1	2	1	1	1	3	1	1	3	4	3	2	2	1	1	1	2	2	2	2	1	2	4
AV	2	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	1	1	1	1	1	1	1	2	
PK	3	3	4	4	4	3	4	4	4	4	4	4	4	6	5	5	5	4	3	3	2	3	3	2		6

(05/14/79-RPI)

WIND SPEED @ 10M
METERS/SEC

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	2	1	2	1	1	3	6	9	9	11	11	8	8	8	5	4	4	3	1	2	2	4	11
2	1	1	1	1	1	0	0	0	1	2	3	4	4	4	3	4	4	3	2	1	1	1	1	0	2	4
3	1	1	1	1	1	1	0	1	1	1	2	2	3	3	2	1	2	3	1	2	2	1	0	0	1	3
4	2	1	1	1	2	1	1	1	1	2	4	4	3	4	3	4	4	3	2	2	2	1	1	0	2	4
5	1	1	1	1	1	0	0	(CM)	0	2	2	3	4	3	3	4	4	2	1	1	1	1	1	0	2	4
6	0	(CM)	1	0	2	1	1	1	0	1	2	3	3	4	4	2	3	2	1	2	0	2	1	1	2	4
7	2	2	1	1	2	1	3	1	1	2	4	4	5	4	4	4	4	3	1	1	2	1	2	0	2	5
8	1	1	0	1	1	1	1	(CM)	1	2	3	4	5	4	5	4	5	3	3	2	1	2	1	0	2	5
9	1	2	1	1	1	0	0	0	0	1	2	2	3	4	3	4	3	3	1	1	2	1	0	1	2	4
10	1	1	1	0	1	0	0	0	1	1	2	4	5	4	3	5	4	2	2	2	2	2	3	1	2	5
11	0	1	1	1	1	2	1	2	2	2	2	3	3	4	5	5	4	3	3	3	2	3	2	1	2	5
12	2	2	2	2	2	3	2	1	1	2	2	2	2	3	5	8	7	5	3	2	3	4	4	2	3	8
13	1	2	2	2	3	2	1	1	0	1	2	3	3	3	2	4	3	2	1	1	1	0	1	1	2	4
14	1	2	0	0	1	1	1	0	0	1	2	2	2	4	3	3	2	2	2	2	1	1	2	1	2	4
15	1	1	1	1	0	0	0	1	0	1	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	2
16	1	2	1	1	2	2	2	2	1	6	9	8	8	7	7	8	7	4	3	3	1	2	2	2	4	9
17	2	2	2	2	2	2	1	1	2	3	6	6	8	8	7	5	7	4	2	3	4	4	6	6	4	8
18	7	6	4	3	2	3	1	2	1	2	4	4	4	2	2	2	4	1	2	1	2	2	0	0	3	7
19	1	1	1	0	1	1	1	1	1	1	3	6	8	6	5	7	7	5	4	4	2	1	2	2	3	8
20	1	1	1	1	0	1	2	2	1	5	5	8	8	8	5	2	2	3	4	7	5	3	3	1	3	8
21	2	3	2	2	2	2	2	1	1	3	4	6	3	2	3	3	2	3	2	1	2	2	2	3	2	6
22	3	4	5	7	5	6	6	5	5	6	6	5	6	5	6	4	4	4	2	2	2	3	2	2	4	7
23	1	1	1	2	1	1	1	2	1	1	1	1	2	2	2	3	2	2	2	1	3	1	1	1	2	3
24	0	2	1	1	1	1	2	0	1	0	1	2	2	4	1	2	6	5	5	4	2	6	4	2	2	6
25	5	4	2	2	3	4	4	4	5	5	4	5	7	9	7	6	5	4	2	2	2	1	0	1	4	9
26	0	1	0	1	0	0	1	1	0	0	1	2	2	2	1	1	6	4	3	1	2	2	2	2	2	6
27	2	2	2	2	2	2	0	0	1	1	2	2	2	4	3	3	2	2	3	2	1	1	2	2	2	4
28	1	2	2	1	1	4	3	2	1	3	4	3	3	4	4	5	5	5	5	4	1	2	1	2	3	5
29	1	1	2	2	4	7	4	2	5	6	10	14	13	10	10	8	8	4	5	3	2	2	1	1	5	14
30	3	3	2	2	2	2	1	1	0	1	1	2	1	2	1	3	2	1	2	2	2	1	1	2	2	3
31	1	1	1	1	0	0	1	1	0	4	4	6	7	5	3	4	2	3	2	1	1	1	2	0	2	7
AV	2	2	2	2	2	2	2	1	1	2	3	4	5	4	4	4	4	3	2	2	2	2	2	1	3	
PK	7	6	5	7	5	7	6	5	5	6	10	14	13	11	10	8	8	5	5	7	5	6	6	6		14

(05/14/79-RPI)

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	1	1	1	1	1	1	1	2	7	8	8	7	6	8	8	7	6	5	4	3	1	1	2	4	8
2	2	1	1	1	0	0	0	0	1	2	2	4	4	4	4	4	3	4	2	0	1	0	0	0	2	4
3	0	1	1	1	1	0	0	0	0	1	1	2	2	2	2	2	3	3	1	2	1	0	0	0	1	3
4	1	1	1	1	2	2	1	1	1	2	4	4	3	4	4	4	3	4	2	2	1	1	0	1	2	4
5	1	0	1	0	1	0	(CM)	(CM)	0	1	2	3	3	3	3	3	4	3	2	1	1	0	0	0	2	4
6	(CM)	0	1	0	0	1	1	0	(CM)	1	2	3	3	3	3	2	3	2	1	0	0	1	1	0	1	3
7	2	2	1	2	1	0	2	1	0	1	3	4	3	4	3	3	4	3	1	0	1	0	1	0	2	4
8	2	0	1	0	1	1	1	0	1	1	3	4	4	5	5	5	5	3	4	3	0	1	1	0	2	5
9	0	1	0	0	0	0	(CM)	(CM)	0	0	1	2	2	3	3	3	3	3	1	0	1	1	0	1	1	3
10	1	1	0	(CM)	1	0	0	0	0	1	2	4	5	4	3	4	4	3	1	3	2	4	3	1	2	5
11	1	1	1	0	1	1	1	1	1	3	2	3	3	4	5	4	4	3	3	4	1	2	2	2	2	5
12	1	2	1	3	1	2	1	1	1	2	1	2	2	4	5	7	7	6	4	2	3	4	4	2	3	7
13	1	1	2	2	2	1	1	0	0	1	1	2	2	4	2	3	3	2	1	0	1	0	1	1	2	4
14	1	0	0	0	0	1	1	0	0	1	1	1	2	3	2	2	2	2	2	2	0	1	1	1	1	3
15	0	1	1	0	1	0	0	1	0	2	2	2	2	2	2	2	2	2	1	2	2	0	1	0	1	2
16	2	2	2	1	1	3	3	2	1	6	8	7	7	8	8	8	7	4	4	4	2	2	2	2	4	8
17	3	3	3	2	2	3	1	1	2	4	6	6	7	7	7	6	7	4	3	3	4	4	6	6	4	7
18	6	6	4	4	3	3	1	2	1	3	4	3	3	2	2	2	3	2	2	0	2	1	0	1	3	6
19	0	0	1	1	0	0	0	2	1	1	4	6	7	7	5	6	6	6	4	4	3	1	2	1	3	7
20	1	1	1	1	0	2	2	3	1	6	5	6	9	8	5	2	2	4	4	7	5	3	3	1	3	9
21	2	3	2	2	2	2	2	1	1	3	4	4	3	2	3	3	1	2	2	1	1	2	2	3	2	4
22	3	4	6	6	6	6	5	5	5	6	6	4	6	5	5	5	4	4	3	1	2	2	2	2	4	6
23	1	1	0	1	1	0	0	2	1	2	2	1	2	2	2	4	2	2	2	1	2	1	1	1	1	4
24	0	1	1	0	1	1	1	1	1	1	1	2	2	4	2	2	5	6	5	4	2	5	5	3	2	6
25	4	4	2	2	3	3	4	4	5	4	3	4	6	7	7	6	4	4	2	2	3	1	1	1	4	7
26	0	0	0	1	0	0	0	0	0	1	1	2	2	1	1	1	5	5	5	1	2	1	2	2	2	5
27	2	2	2	2	2	1	0	1	1	1	1	2	2	3	3	3	2	2	2	3	1	1	1	2	2	3
28	1	4	4	3	2	4	3	1	1	3	4	3	2	4	5	5	5	6	6	5	6	1	1	3	3	6
29	1	2	3	2	5	7	5	2	3	6	9	12	13	12	10	7	6	5	6	5	3	2	2	1	5	13
30	4	3	2	2	1	2	1	1	0	1	1	1	1	1	1	3	2	1	1	1	1	2	1	1	2	4
31	0	1	1	0	0	0	1	1	1	4	3	6	5	4	3	3	2	2	2	1	1	0	1	0	2	6
AV	2	2	2	1	1	2	2	1	1	2	3	4	4	4	4	4	4	3	3	2	2	2	2	1	2	
PK	6	6	6	6	6	7	5	5	5	7	8	12	13	12	10	8	7	6	6	7	6	5	6	6		13

II B-201

(05/14/79-RPI)

WIND SPEED @ 60M
METERS/SEC

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	2	0	1	0	1	3	6	9	8	10	8	9	9	8	7	5	5	4	2	2	2	4	10
2	2	1	1	0	0	(CM)	(CM)	(CM)	1	2	2	4	4	4	3	4	4	4	3	0	1	1	0	0	2	4
3	0	0	0	0	1	1	(CM)	(CM)	0	1	2	2	3	2	2	2	2	3	1	2	2	0	0	0	1	3
4	1	1	0	1	1	1	2	1	0	2	4	4	3	3	3	4	3	4	2	2	1	1	0	1	2	4
5	1	0	1	0	1	0	(CM)	0	0	1	2	3	4	3	3	3	4	4	2	1	0	0	0	0	2	4
6	(CM)	0	1	1	0	1	1	0	(CM)	1	2	2	3	4	4	3	3	3	1	0	(CM)	1	1	0	2	4
7	2	3	1	1	1	1	2	1	0	1	3	4	4	3	6	3	3	3	1	0	1	(CM)	1	1	2	6
8	2	0	1	(CM)	1	1	1	1	0	1	4	4	4	5	5	5	6	3	4	3	1	0	1	1	2	6
9	0	1	1	1	1	0	0	(CM)	(CM)	1	2	2	2	3	4	3	2	3	2	0	1	1	1	1	1	4
10	0	1	0	0	0	0	(CM)	0	0	1	1	4	5	4	4	4	4	3	2	2	4	4	4	2	2	5
11	2	1	1	1	0	1	0	1	2	3	1	3	3	3	4	4	4	3	3	4	1	2	2	2	2	4
12	1	1	1	3	1	2	1	0	1	2	2	1	2	3	6	7	7	5	4	2	4	5	5	3	3	7
13	1	2	3	3	1	1	0	(CM)	0	0	1	2	2	3	3	3	3	2	1	1	0	0	(CM)	1	2	3
14	1	(CM)	(CM)	1	0	1	(CM)	(CM)	0	0	1	2	2	4	2	2	2	2	2	2	1	1	2	1	1	4
15	(CM)	1	0	1	(CM)	0	0	(CM)	(CM)	2	1	2	2	2	2	2	2	2	1	1	2	0	1	0	1	2
16	1	1	2	1	1	2	2	1	1	8	9	7	8	7	8	8	8	4	4	5	8	1	1	2	4	9
17	2	2	2	2	2	2	1	0	2	4	2	6	8	8	7	6	6	4	3	4	5	4	6	7	4	8
18	7	6	6	4	2	3	1	2	1	3	4	3	4	2	2	3	4	2	2	1	2	1	1	1	3	7
19	1	0	0	0	1	(CM)	1	1	1	1	2	6	7	6	6	7	7	7	5	4	4	2	2	2	3	7
20	1	2	1	1	1	1	2	2	1	5	7	6	8	8	5	3	2	4	4	8	4	4	3	1	4	8
21	2	4	2	2	3	3	3	2	2	3	5	5	3	2	3	2	1	2	2	2	2	3	3	4	3	5
22	3	4	5	7	7	7	6	5	6	6	6	5	6	6	5	5	4	4	4	2	2	3	3	3	5	7
23	1	1	0	0	0	(CM)	0	2	1	2	1	1	2	2	2	3	2	2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	1	3
24	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	4	3	2	6	3	( )	6	
25	5	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	3	4	6	8	7	6	5	4	3	2	3	1	0	(IM)	4	3
26	(IM)	(IM)	(IM)	0	1	1	1	0	(CM)	1	1	1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	1
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	8	14	12	12	11	8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	14
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	2	2	2	2	1	1	1	1	1	2	3	4	5	5	5	4	4	4	3	3	3	2	2	2	3	
PK	7	6	6	7	7	7	6	5	6	8	9	14	12	12	11	9	8	7	5	8	8	5	6	7		10

(05/14/79-RPI)

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD42 PERIOD(10/01/78 TO 10/31/78)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	3	6	8	9	13	8	8	8	7	6	5	4	3	1	1	1	5
2	1	1	1	1	1	1	1	1	1	1	4	4	5	4	4	4	3	2	2	1	1	1	1	2	2
3	1	1	1	1	1	2	2	1	1	1	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	3	5	4	4	4	4	3	3	3	2	1	1	1	1	1	3
5	1	1	1	1	2	2	2	2	2	2	4	5	4	4	4	4	3	2	2	1	1	1	2	2	2
6	2	2	2	2	2	1	1	1	1	2	3	4	4	3	3	3	2	2	2	1	1	1	2	2	2
7	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	4	2	2	1	1	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	3	5	5	5	5	6	6	4	2	2	1	1	1	1	3
9	1	2	2	2	2	2	1	1	1	2	2	3	4	3	3	3	3	2	1	1	1	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	3	5	4	4	3	5	4	2	1	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	2	2	3	3	3	9	5	4	5	3	3	3	2	2	2	2	3
12	2	2	2	2	2	3	2	2	2	2	2	3	3	5	7	7	6	3	3	2	2	3	1	1	3
13	1	1	1	1	1	1	1	1	1	1	2	3	4	3	3	3	2	2	1	1	1	2	2	2	2
14	2	2	2	2	2	1	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	1	1	2	2	3	3	3	2	3	2	1	1	2	2	2	2	3	2
16	2	3	4	2	2	3	3	1	2	5	8	7	6	7	7	7	6	5	5	2	2	3	3	3	4
17	3	3	3	3	2	2	2	2	2	3	5	6	7	7	7	7	4	3	3	2	2	2	4	7	4
18	5	3	3	3	4	2	2	2	2	3	3	4	3	2	3	3	3	2	2	2	2	2	2	2	3
19	2	2	2	1	1	1	1	1	1	1	4	6	6	6	5	6	5	5	4	2	2	2	2	2	3
20	2	2	2	2	2	2	3	2	2	2	3	6	7	5	3	2	3	4	4	3	3	3	2	2	3
21	2	2	3	3	2	2	2	2	2	3	5	3	2	3	3	2	2	2	2	2	2	2	2	3	2
22	3	4	5	6	5	5	4	5	5	6	5	6	6	5	5	4	3	3	2	2	1	1	1	1	4
23	1	1	1	1	1	1	1	2	2	2	2	2	2	2	4	3	2	1	1	1	1	2	2	1	2
24	1	1	1	2	1	2	1	1	2	2	2	2	3	3	3	4	5	4	3	2	2	2	3	4	2
25	3	2	2	3	4	5	4	4	4	4	4	5	6	6	6	4	3	3	2	2	2	2	2	2	3
26	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	3	4	3	3	4	3	3	3	3	2
27	3	3	2	3	3	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3	2	2	2	2	2
28	2	2	3	3	3	3	2	2	2	2	3	3	4	9	5	5	5	5	3	3	3	3	3	3	3
29	3	3	3	3	3	4	3	2	5	4	9	11	11	10	8	7	5	3	2	2	1	1	1	3	5
30	2	2	2	1	1	1	1	1	1	1	2	2	2	2	3	3	3	1	1	1	1	2	2	1	2
31	1	1	1	2	2	2	2	2	2	2	3	5	5	4	3	3	3	2	2	2	2	2	2	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	4	4	5	4	4	4	4	3	2	2	2	2	2	2	3

TOTAL NUMBER OF OBSERVATIONS = 744

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD56 PERIOD(10/01/78 TO 10/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
2	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
3	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	3	2	2	2	3	RF	RF	RF	RF	RF	RF	
4	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
5	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	2	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
6	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
7	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
8	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
9	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
10	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	2	2	2	3	2	2	2	1	1	1	0	
11	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
12	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
13	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
14	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
15	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
16	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
17	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
18	RF	RF	RF	RF	RF	RF	RF	RF	RF	1	2	4	1	3	1	RF	RF	RF	RF	RF	RF	RF	RF	RF	
19	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
20	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
21	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
22	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
23	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
24	RF	RF	RF	RF	RF	RF	RF	RF	RF	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
29	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
30	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
31	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 23

WIND DIRECTION @10M
DEGREES

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	100	90	85	105	100	105	90	100	135	110	163	190	255	195	195	215	215	220	255	290	300	100	90	(VA)	145
2	100	95	90	125	90	87	110	110	105	110	285	265	280	265	300	320	275	300	5	70	100	103	90	105	84
3	87	102	100	100	105	90	105	100	133	127	270	285	270	260	255	277	260	275	20	93	125	85	100	100	111
4	105	120	103	110	125	105	95	100	125	132	285	283	360	(VA)	315	337	315	295	18	90	115	90	100	100	35
5	100	98	90	95	90	100	110	100	123	125	275	270	270	280	280	335	350	5	5	105	100	87	90	85	79
6	93	100	108	85	115	92	90	90	90	120	275	275	280	270	255	(VA)	345	5	30	103	100	98	90	103	36
7	110	103	105	103	103	105	(VA)	105	125	285	265	312	280	310	295	300	305	15	100	90	90	95	93	93	73
8	123	95	105	93	105	90	95	40	60	100	303	270	285	285	315	300	285	285	72	80	95	90	90	103	71
9	88	93	93	90	100	103	90	130	135	(VA)	280	270	265	275	315	305	355	25	90	115	93	90	90	100	84
10	100	100	105	107	85	103	115	135	135	130	270	325	325	310	275	270	280	25	95	100	90	100	100	100	95
11	107	105	110	85	90	110	103	(VA)	130	260	273	265	258	285	300	280	285	300	108	100	100	105	100	100	113
12	120	95	102	102	102	100	137	141	132	270	264	255	247	293	297	297	308	223	0	(VA)	97	102	100	100	127
13	87	102	100	100	93	93	90	135	135	142	240	265	273	273	270	307	7	7	95	90	90	90	100	100	97
14	97	90	93	108	95	115	90	115	135	110	285	262	255	300	258	272	258	47	105	90	105	108	90	97	107
15	108	87	93	93	105	100	123	120	120	120	280	265	265	273	270	280	290	75	105	90	100	90	87	87	104
16	87	93	103	105	145	135	127	135	132	100	220	189	200	180	225	245	245	205	97	81	93	108	112	93	137
17	98	107	123	132	117	75	97	113	103	78	(VA)	227	242	252	263	243	249	100	103	103	99	100	95	93	119
18	228	96	78	102	120	81	90	81	107	104	97	75	111	260	122	285	7	(VA)	93	95	93	95	93	100	96
19	93	103	81	81	103	83	93	93	283	280	227	195	247	267	222	216	220	183	103	95	93	103	87	74	127
20	90	89	116	117	118	120	130	139	297	282	(VA)	183	183	195	230	(VA)	123	171	123	117	120	105	107	117	135
21	87	123	117	111	111	123	105	89	105	281	287	321	289	308	315	285	277	273	288	307	19	223	223	315	299
22	303	309	297	309	288	306	285	255	283	294	285	278	275	288	288	295	297	297	330	55	78	108	100	105	300
23	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	90	79	193	255	255	270	297	285	18	106	98	93	103	93	97	99
24	108	78	103	100	90	(VA)	93	90	313	279	108	(VA)	275	273	256	288	231	193	79	69	93	105	96	98	101
25	103	103	79	313	263	252	272	285	309	309	295	313	325	318	307	330	310	10	40	90	87	100	97	85	343
26	90	105	117	100	90	90	100	75	300	297	(VA)	(VA)	250	100	133	110	195	85	110	95	110	95	90	110	104
27	125	100	120	90	110	87	90	100	125	290	280	285	270	(VA)	(VA)	265	250	30	100	103	100	75	75	93	95
28	93	85	90	75	75	85	123	125	132	130	90	(VA)	(VA)	285	290	195	213	202	(VA)	90	90	95	90	80	103
29	78	115	120	125	105	95	120	(VA)	100	193	162	175	180	200	203	240	213	227	93	93	100	95	100	90	135
30	(VA)	100	100	100	100	103	100	95	110	85	273	280	270	282	280	270	275	(VA)	105	103	90	93	95	90	100
31	93	103	98	95	108	108	115	105	135	(VA)	(VA)	215	172	195	210	215	153	90	93	90	105	100	103	95	122
PV	100	98	100	99	104	99	105	108	121	136	265	258	262	268	268	279	275	333	77	91	95	99	96	95	102

(05/14/79-RPI)

WIND DIRECTION @ 10M
DEGREES

C8-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	185	195	170	150	140	65	140	95	215	200	215	220	235	230	240	225	230	240	295	265	310	330	335	310	222
2	335	235	230	210	180	10	10	10	325	315	310	310	330	345	355	360	350	355	35	200	230	360	290	25	327
3	180	245	335	225	205	45	335	50	45	350	10	345	330	310	335	5	325	335	255	180	195	25	40	(VA)	336
4	185	155	115	195	185	200	10	75	60	325	360	15	330	345	360	330	355	355	75	155	195	360	250	90	26
5	220	215	355	280	220	30	280	10	340	345	305	305	340	325	360	5	350	5	305	265	220	(VA)	275	360	317
6	15	60	230	240	210	210	210	230	30	15	360	320	320	350	345	350	350	10	320	215	50	220	(VA)	200	314
7	125	190	55	110	190	125	245	125	45	355	330	340	335	10	360	350	335	350	175	200	215	305	210	10	356
8	135	145	295	145	145	180	195	5	50	345	320	330	290	315	335	325	305	265	215	215	215	220	240	360	270
9	230	210	325	75	280	10	175	35	20	25	40	335	310	340	15	10	345	360	5	195	190	(VA)	180	135	355
10	290	225	145	305	225	50	305	90	70	35	330	330	340	325	295	310	285	300	215	210	220	220	315	360	299
11	320	125	160	50	185	170	180	65	60	13	32	355	15	330	340	325	303	310	215	200	153	207	230	83	15
12	178	200	165	135	190	90	93	(VA)	43	53	360	325	7	345	330	345	345	330	3	33	30	27	7	30	22
13	320	327	300	283	258	280	245	120	137	90	47	5	330	305	342	15	35	55	75	108	233	235	90	185	346
14	235	210	330	60	245	75	230	25	35	10	345	345	350	360	342	345	325	320	210	210	33	95	240	90	344
15	285	32	330	48	145	255	195	30	75	50	5	320	345	320	355	345	360	360	63	185	200	303	190	225	347
16	125	145	150	123	140	120	110	75	55	215	198	210	200	200	205	205	220	230	200	190	345	95	130	115	161
17	105	100	120	110	75	95	105	70	320	290	215	205	215	200	210	230	235	245	230	225	205	250	235	225	198
18	230	165	185	175	95	135	110	(VA)	310	105	125	140	145	235	(VA)	15	5	95	205	225	110	215	115	(VA)	149
19	195	235	250	40	200	10	250	125	95	35	295	200	205	235	240	230	220	205	190	180	210	65	75	70	202
20	75	(VA)	30	70	40	75	75	75	80	205	265	205	205	210	200	170	145	195	155	180	230	110	145	105	142
21	130	130	115	140	150	145	165	155	115	340	310	295	355	325	325	335	325	290	295	290	295	285	305	290	298
22	295	315	330	335	325	335	335	330	320	320	320	310	310	315	325	325	330	330	320	275	250	250	240	280	311
23	245	255	240	205	215	270	190	150	120	90	75	75	75	315	320	325	300	310	250	260	205	205	80	215	234
24	335	230	(VA)	90	50	280	200	90	80	60	30	205	260	325	305	265	205	210	200	195	190	200	200	195	214
25	180	200	(VA)	265	285	270	300	310	350	345	315	345	360	5	350	345	340	360	105	100	170	200	(VA)	(VA)	321
26	(VA)	320	(VA)	265	180	345	(VA)	(VA)	35	60	(VA)	35	5	5	50	25	210	200	185	95	80	75	100	125	60
27	115	100	115	130	170	195	25	40	80	30	10	5	350	250	225	205	290	245	190	200	85	30	100	115	112
28	115	175	195	130	130	145	145	145	135	215	210	205	245	225	205	220	215	200	205	195	40	80	90	85	170
29	100	65	85	90	35	185	170	70	195	205	210	200	205	210	210	210	205	200	195	200	180	45	90	(VA)	168
30	265	260	265	260	235	245	235	215	305	335	345	340	340	315	340	310	305	(VA)	280	225	205	205	(VA)	220	274
31	(VA)	120	215	5	345	310	130	100	85	195	175	205	210	220	195	185	185	185	200	260	140	200	185	(VA)	186
PV	196	189	207	135	186	111	189	73	51	8	335	311	314	305	317	319	303	297	221	206	198	233	182	101	301

(05/14/79-RPI)

WIND DIRECTION @ 30M
DEGREES

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	205	215	195	185	115	120	135	125	225	210	225	245	255	235	245	250	245	270	310	285	325	10	355	350	236
2	45	285	250	255	245	45	75	295	315	325	300	340	335	5	20	25	20	25	55	90	(VA)	20	(VA)	(VA)	353
3	105	(VA)	(VA)	(VA)	250	(VA)	30	135	80	355	30	360	350	355	350	45	5	360	(VA)	200	160	(VA)	30	90	32
4	105	160	130	180	200	210	225	120	85	345	25	30	20	340	10	350	20	15	85	165	225	110	320	125	79
5	140	260	25	310	245	35	55	75	305	350	320	325	340	345	10	25	20	25	360	320	275	170	330	160	349
6	125	115	160	120	195	180	210	240	60	35	25	345	345	350	25	20	15	25	50	250	80	75	220	295	50
7	130	170	(VA)	110	235	175	280	220	75	15	355	360	355	10	20	10	360	15	70	110	215	105	220	120	57
8	190	185	240	185	140	190	205	255	85	345	335	305	325	325	360	350	335	285	245	215	55	280	275	(VA)	274
9	340	240	60	(VA)	320	330	230	45	60	35	40	30	350	15	35	15	5	25	35	120	200	50	210	220	13
10	340	345	190	125	275	180	55	50	110	85	340	340	348	345	348	330	305	325	225	240	238	248	300	13	326
11	360	(VA)	155	103	240	210	210	210	125	20	35	45	5	355	345	335	325	315	270	225	225	240	275	90	301
12	153	195	135	150	193	245	180	103	40	55	358	17	15	348	333	345	343	343	5	35	18	20	7	32	23
13	318	320	300	295	253	285	240	120	130	90	50	20	330	315	342	15	35	50	78	108	106	303	345	185	357
14	227	210	305	123	(VA)	108	303	30	108	20	360	7	360	25	350	360	350	345	240	228	275	135	265	108	347
15	110	150	10	(VA)	115	105	178	225	115	75	18	360	360	360	358	15	360	10	75	183	185	5	165	150	73
16	123	140	165	140	105	148	140	123	105	223	223	238	238	233	223	243	243	255	225	215	240	110	145	152	184
17	163	150	160	155	110	133	125	78	340	240	238	230	240	240	235	255	260	275	258	265	235	260	248	240	223
18	258	190	210	193	150	152	135	195	290	242	165	153	193	275	305	45	20	115	195	210	180	225	103	148	183
19	183	270	(VA)	30	180	345	170	140	87	35	300	225	228	225	243	255	235	243	210	210	235	213	180	110	216
20	135	195	10	130	150	155	135	110	(VA)	225	333	227	230	232	212	210	165	215	185	195	225	135	185	140	132
21	170	160	150	165	168	168	185	180	121	345	330	355	5	320	3	355	333	315	313	310	307	310	315	327	312
22	315	321	338	355	345	355	358	348	333	345	347	330	330	340	345	347	353	355	340	330	285	288	275	310	334
23	260	320	315	237	258	180	230	160	150	115	(VA)	355	315	315	320	352	310	323	287	300	234	215	37	165	279
24	15	260	247	92	88	315	217	165	45	97	15	262	270	345	328	315	230	232	220	225	210	225	227	235	254
25	212	220	272	280	307	296	326	330	360	7	343	355	10	17	9	15	356	10	60	90	150	165	221	205	336
26	135	65	105	115	130	120	75	240	75	116	150	90	40	75	90	45	232	225	225	223	167	113	133	150	123
27	158	144	150	158	190	268	345	47	120	40	35	10	20	247	230	225	285	240	210	225	71	148	153	172	176
28	195	223	217	210	200	193	175	175	125	240	247	257	258	247	240	235	235	220	220	215	210	135	195	160	211
29	160	220	115	120	230	208	165	105	220	220	217	235	235	232	235	235	235	225	225	230	210	193	120	60	203
30	293	285	288	295	280	283	265	250	286	318	333	7	5	330	345	345	330	130	297	280	273	228	150	215	295
31	345	117	285	60	30	10	145	210	185	225	225	233	240	233	225	215	210	205	233	300	135	168	240	225	219
PV	162	207	205	152	201	183	181	149	87	10	341	334	326	320	331	340	322	318	259	227	217	181	234	156	301

(05/14/79-RPI)

WIND DIRECTION @ 60M
DEGREES

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	195	225	210	175	170	110	175	170	225	215	225	245	245	235	235	230	245	265	305	290	320	25	350	355	233
2	40	325	305	280	260	290	25	315	310	325	290	325	310	350	10	360	355	10	40	30	320	335	40	290	335
3	110	310	10	55	250	230	65	105	95	355	25	360	345	325	315	35	325	355	5	160	185	255	340	30	3
4	55	215	125	190	180	210	215	170	90	320	345	15	330	315	10	330	350	360	60	125	185	160	(VA)	95	71
5	120	175	25	290	265	315	30	230	305	330	315	315	325	325	350	20	5	(VA)	360	330	345	140	25	250	331
6	220	135	120	105	115	115	100	180	100	30	15	320	335	325	350	340	345	5	10	320	30	200	160	310	33
7	115	135	260	95	125	180	290	(VA)	110	355	345	350	340	360	335	350	345	360	70	130	240	145	225	195	25
8	190	195	265	285	100	135	220	215	185	280	325	300	305	330	330	330	315	280	235	225	5	285	280	35	276
9	60	225	220	300	260	320	310	210	130	355	10	335	290	355	345	355	325	10	15	150	175	205	200	225	301
10	310	230	225	70	305	200	115	75	85	10	350	325	350	330	280	280	285	310	275	255	240	250	285	330	293
11	325	100	135	145	225	215	225	210	155	340	25	45	305	335	335	325	315	305	260	220	245	245	270	(VA)	273
12	95	(VA)	115	125	195	220	185	(VA)	35	10	330	340	330	350	340	330	340	325	360	10	20	15	360	20	2
13	340	330	310	300	270	280	310	220	210	65	30	10	315	295	315	350	15	35	90	120	195	(VA)	(VA)	195	322
14	(VA)	135	285	190	70	75	90	320	230	350	330	345	350	20	315	340	340	335	285	215	230	85	235	(VA)	328
15	(VA)	135	(VA)	270	70	105	145	160	110	25	360	350	330	340	345	310	355	350	65	150	160	170	195	(VA)	56
16	(VA)	150	160	135	120	165	155	155	165	225	210	230	220	230	220	225	230	250	215	205	210	125	95	125	185
17	145	140	140	185	150	120	135	300	310	250	230	220	225	225	220	240	245	260	265	265	230	260	245	255	224
18	245	180	195	200	115	160	145	195	270	(VA)	140	150	170	260	(VA)	15	10	100	175	200	95	220	145	125	169
19	125	(VA)	295	40	125	155	130	135	105	55	290	210	215	235	235	230	230	225	200	215	225	230	185	215	199
20	200	200	310	200	345	155	165	125	(VA)	210	240	220	215	220	220	185	165	195	165	180	227	145	167	130	192
21	155	150	135	155	163	167	185	175	175	275	325	340	355	335	340	345	335	305	310	305	305	305	320	320	294
22	310	325	340	345	340	340	345	335	330	325	340	325	320	325	335	335	330	340	330	320	290	295	285	305	326
23	280	315	330	215	275	165	205	155	135	120	95	330	320	315	315	340	310	325	310	305	245	215	85	140	284
24	350	90	275	265	80	5	195	195	330	70	5	215	265	330	305	275	220	215	210	195	195	215	215	225	245
25	200	205	230	295	305	290	315	335	350	350	320	345	360	360	355	5	340	10	75	100	135	155	210	260	327
26	185	295	20	125	125	140	280	215	60	105	115	15	350	(VA)	35	25	220	210	210	190	160	170	115	125	149
27	140	145	140	135	175	(VA)	320	25	120	40	10	355	5	290	235	195	300	245	215	185	195	190	205	190	193
28	210	215	205	200	200	200	185	195	155	215	225	235	265	240	215	225	215	215	205	200	205	205	195	195	209
29	175	180	155	150	205	195	160	105	225	205	210	215	215	220	225	220	230	215	215	220	215	200	(VA)	330	202
30	280	285	295	290	295	285	280	260	290	305	335	350	340	310	325	330	310	135	335	320	275	230	(VA)	190	298
31	280	(VA)	(VA)	130	105	355	170	200	200	200	205	215	215	230	200	195	170	190	220	285	150	120	215	(VA)	196
PV	182	191	242	186	178	186	182	190	149	339	329	316	305	307	309	317	307	303	285	220	222	204	222	229	280

(05/14/79-RPI)

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD42 PERIOD(10/01/78 TO 10/31/78)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	73	99	91	80	113	91	92	107	83	205	225	241	250	243	236	253	254	260	289	286	335	275	297	261	239
2	235	56	251	82	356	106	107	62	319	277	282	315	292	293	315	328	304	348	109	139	332	68	140	87	551
3	84	52	29	194	52	91	73	65	37	327	199	247	279	321	309	31	305	308	75	115	69	99	78	70	45
4	60	70	77	74	80	79	104	80	69	288	299	34	280	299	52	327	332	314	68	65	330	63	107	76	42
5	48	61	84	52	60	65	83	74	68	253	268	260	303	258	252	324	17	335	332	13	217	59	76	66	24
6	83	77	160	106	103	83	76	72	10	292	276	284	310	313	316	309	305	321	64	302	49	93	56	85	25
7	80	41	87	78	65	92	252	112	64	323	314	313	309	311	35	286	292	321	79	324	30	75	65	74	24
8	77	71	74	59	68	76	44	69	73	45	325	320	291	291	307	302	280	274	216	127	82	312	75	76	31
9	37	14	78	71	58	93	114	75	90	263	239	302	288	341	324	327	329	21	98	270	62	98	63	106	32
10	125	90	59	101	66	72	81	87	89	63	271	298	306	278	224	289	307	293	305	65	45	95	95	91	54
11	76	56	66	72	74	92	81	78	57	284	293	290	317	275	293	282	269	278	247	181	104	62	82	91	35
12	99	64	83	35	63	56	71	69	54	318	276	298	330	236	254	314	293	289	6	14	308	27	313	18	2
13	248	97	208	319	66	80	67	116	65	74	296	288	278	261	278	326	325	340	48	211	8	89	91	30	17
14	71	110	90	77	69	73	82	69	52	280	263	266	282	300	324	314	261	290	209	64	46	79	96	63	42
15	98	87	56	82	88	74	92	77	71	312	307	304	299	284	318	295	302	8	118	54	73	102	95	80	43
16	79	75	66	80	48	73	87	89	71	231	228	215	206	203	207	230	242	256	191	44	56	84	97	63	111
17	103	90	79	71	66	81	88	86	123	270	245	240	216	237	244	244	240	243	214	233	107	74	250	258	165
18	254	177	76	141	114	74	77	50	119	144	105	92	163	217	281	318	73	124	155	87	114	85	93	91	111
19	97	82	70	85	111	71	109	91	328	53	315	222	219	231	228	243	233	227	191	75	91	79	69	85	107
20	68	88	125	87	83	86	91	114	82	51	296	220	227	237	251	171	136	194	165	161	179	91	152	118	133
21	82	111	126	149	112	118	110	24	115	287	310	285	303	288	329	308	272	277	282	282	293	251	285	272	291
22	257	290	310	329	301	304	300	284	314	304	297	309	299	293	302	307	303	316	300	268	252	262	326	79	292
23	128	78	80	76	78	80	80	79	84	81	42	29	270	309	278	310	274	268	230	42	116	78	80	90	63
24	93	140	53	60	70	289	70	83	327	91	89	340	306	301	290	267	210	203	192	107	116	96	187	107	91
25	184	66	93	30	267	255	277	291	307	315	281	313	311	311	324	20	308	306	56	98	138	92	70	84	539
26	63	80	69	107	110	94	106	94	306	91	63	56	292	108	138	86	190	186	81	115	108	79	62	110	94
27	73	63	84	84	82	84	60	75	69	58	75	304	181	200	222	272	266	189	124	90	86	79	62	87	87
28	64	54	101	67	72	84	93	79	73	69	245	222	249	266	209	212	217	191	197	72	97	72	89	85	103
29	73	74	76	74	75	56	117	24	116	209	191	200	205	218	215	199	200	216	181	93	112	86	78	179	136
30	237	254	274	64	343	77	144	117	17	290	293	303	300	270	281	290	287	87	248	316	30	71	87	95	327
31	66	81	78	111	89	94	82	63	74	60	212	199	206	189	183	182	202	167	171	83	54	61	75	75	112
MEAN	85	77	80	79	72	79	87	76	58	323	278	284	275	270	276	292	276	275	166	75	68	76	90	86	52

TOTAL NUMBER OF OBSERVATIONS = 744

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = A056 PERIOD(10/01/78 TO 10/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
2	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
3	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	320	326	325	293	293	177	RF	RF	RF	RF	RF	
4	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
5	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	302	300	RF	RF	RF	RF	RF	RF	RF	RF	RF	
6	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
7	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
8	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
9	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
10	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	289	287	296	302	99	127	116	151	116	157	124	
11	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
12	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
13	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
14	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
15	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
16	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
17	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
18	RF	RF	RF	RF	RF	RF	RF	RF	RF	75	182	270	210	180	220	RF	RF	RF	RF	RF	RF	RF	RF	RF	
19	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
20	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
21	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
22	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
23	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
24	RF	RF	RF	RF	RF	RF	RF	RF	RF	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
29	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
30	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
31	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 25

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AB20
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	100	90	85	105	100	105	90	100	135	110	163	190	255	195	195	215	215	220	255	290	300	100	90	***	182	1.4
2	100	95	90	125	90	87	110	110	105	110	285	265	280	265	300	320	275	300	5	70	100	103	90	105	319	0.3
3	87	102	100	100	105	90	105	100	133	127	270	285	270	260	255	277	260	275	20	93	125	85	100	100	137	0.3
4	105	120	103	110	125	105	95	100	125	132	285	283	360	***	315	337	315	295	18	90	115	90	100	100	83	0.7
5	100	98	90	95	90	100	110	100	123	125	275	270	270	280	280	335	350	5	5	105	100	87	90	85	61	0.3
6	93	100	108	85	115	92	90	90	90	120	275	275	280	270	255	***	345	5	30	103	100	98	90	103	78	0.3
7	110	103	105	103	103	105	***	105	125	285	265	312	280	310	295	300	305	15	100	90	90	95	93	93	31	0.2
8	123	95	105	93	105	90	95	40	60	100	303	270	285	285	315	300	285	285	72	80	95	90	90	103	324	0.4
9	88	93	93	90	100	103	90	130	135	***	280	270	265	275	315	305	355	25	90	115	93	90	90	100	84	0.4
10	100	100	105	107	85	103	115	135	135	130	270	325	325	310	275	270	280	25	95	100	90	100	100	100	101	0.5
11	107	105	110	65	90	110	103	***	130	260	273	265	258	285	300	280	285	300	108	100	103	105	100	100	125	0.2
12	120	95	102	102	102	100	137	141	132	270	264	255	247	293	297	297	308	223	0	***	97	102	109	100	190	0.2
13	87	102	100	100	93	93	90	135	135	142	240	265	273	273	270	307	7	7	95	90	90	90	100	100	111	0.3
14	97	90	93	108	95	115	90	115	135	110	285	262	255	300	258	272	258	47	105	90	105	108	90	97	111	0.6
15	108	87	93	93	105	100	123	120	120	120	280	265	265	273	270	280	290	75	105	90	100	90	87	87	112	0.5
16	87	93	103	105	145	135	127	135	132	100	220	189	200	180	225	245	245	205	97	81	93	108	112	93	157	1.5
17	98	107	123	132	117	75	97	113	103	78	***	227	242	252	263	243	249	100	103	103	99	100	95	93	164	0.7
18	228	96	78	102	120	81	90	81	107	104	97	75	111	260	122	285	7	***	93	95	93	95	93	100	96	1.2
19	93	103	81	81	103	83	93	83	283	280	227	195	247	267	222	216	220	183	103	95	93	103	87	74	179	0.6
20	90	89	116	117	118	120	130	139	297	282	***	183	183	195	230	***	123	171	123	117	120	105	107	117	142	1.4
21	87	123	117	111	111	123	105	89	105	281	287	321	289	308	315	285	277	273	288	307	18	223	223	315	293	0.4
22	303	309	297	309	288	306	285	255	283	294	285	278	275	288	288	295	297	297	330	55	78	108	100	105	291	2.1
23	***	***	***	***	***	***	***	***	***	90	79	193	255	255	270	297	285	18	106	98	93	103	93	97	281	0.1
24	103	78	103	100	90	***	93	90	313	279	108	***	275	273	256	288	231	193	79	69	93	105	96	98	112	0.2
25	103	103	79	313	263	252	272	285	309	309	295	313	325	318	307	330	310	10	40	90	87	100	97	85	316	1.5
26	90	105	117	100	90	90	100	75	300	297	***	***	250	100	133	110	195	85	110	95	110	95	90	110	108	1.2
27	125	100	120	90	110	87	90	100	125	290	280	285	270	***	***	285	250	30	100	103	100	75	75	93	99	0.5
28	93	85	90	75	75	85	123	125	132	130	90	***	***	285	290	195	213	202	***	90	90	95	90	80	122	1.1
29	78	115	120	125	105	95	120	***	100	193	162	175	180	209	203	240	213	227	93	93	100	95	100	90	156	1.9
30	***	100	100	100	100	103	100	95	110	85	273	280	270	282	280	270	275	***	105	103	90	93	95	90	261	0.1
31	93	103	98	95	108	108	115	105	135	***	***	215	172	195	210	215	153	90	93	90	105	100	103	95	134	1.2
VD	102	99	101	101	107	101	109	117	126	157	264	256	260	264	268	276	273	292	75	92	98	93	95	94	135	
VV	1.3	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4	0.4	1.2	1.7	2.2	2.3	2.3	2.3	1.6	0.4	0.8	1.0	1.3	1.5	1.4	1.4		0.3

TOTAL NUMBER OF OBSERVATIONS = 710

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AA23
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																							VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	185	195	170	150	140	65	140	95	215	200	215	220	235	230	240	225	230	240	295	265	310	330	335	310	231	3.5
2	335	235	230	210	180	10	10	10	325	315	310	310	330	345	355	360	350	355	35	200	230	360	290	25	331	1.4
3	180	245	335	225	205	45	335	50	45	350	10	345	330	310	335	5	325	335	255	180	195	25	40	***	326	0.7
4	185	155	115	195	185	200	10	75	60	325	360	15	330	345	360	330	355	355	75	155	195	360	250	90	359	0.9
5	220	215	355	280	220	30	280	10	340	345	305	305	340	325	360	5	350	5	305	265	220	***	275	360	324	1.3
6	15	60	230	240	210	210	210	230	30	15	360	320	320	350	345	350	350	10	320	215	50	220	***	200	322	0.9
7	125	190	55	110	190	125	245	125	45	355	330	340	335	10	360	350	335	350	175	200	215	305	210	10	339	0.9
8	135	145	295	145	145	180	195	5	50	345	320	330	290	315	335	325	305	265	215	215	215	220	240	360	295	1.3
9	230	210	325	75	280	10	175	35	20	25	40	335	310	340	15	10	345	360	5	195	190	***	180	135	348	0.9
10	290	225	145	305	225	50	305	90	70	35	330	330	340	325	295	310	285	300	215	210	220	220	315	360	304	1.3
11	320	125	160	50	185	170	180	65	60	13	32	355	15	330	340	325	303	310	215	200	153	207	230	83	327	0.6
12	178	200	165	135	190	90	93	***	43	53	360	325	7	345	330	345	345	330	3	33	30	27	7	30	4	1.7
13	320	327	300	283	258	280	245	120	137	90	47	5	330	305	342	15	35	55	75	108	233	285	90	185	342	0.8
14	235	210	330	60	245	75	230	25	35	10	345	345	350	360	342	345	325	320	210	210	33	95	240	90	327	0.6
15	285	32	330	48	145	255	195	30	75	50	5	320	345	320	355	345	360	360	63	185	200	303	190	225	347	0.7
16	125	145	150	123	140	120	110	75	55	215	198	210	200	200	205	205	220	230	200	190	345	95	130	115	192	3.0
17	105	100	120	110	75	95	105	70	320	290	215	205	215	200	210	230	235	245	230	225	205	250	235	225	215	2.8
18	230	165	185	175	95	135	110	***	310	105	125	140	145	235	***	15	5	95	205	225	110	215	115	***	160	1.5
19	195	235	250	40	200	10	250	125	95	35	295	200	205	235	240	230	220	205	190	180	210	65	75	70	213	2.1
20	75	***	30	70	40	75	75	75	80	205	265	205	205	210	200	170	145	195	155	180	230	110	145	105	187	2.2
21	130	130	115	140	150	145	165	155	115	340	310	295	355	325	325	335	325	290	295	290	295	285	305	290	306	0.9
22	295	315	330	335	325	335	335	330	320	320	320	310	310	315	325	325	330	330	320	275	250	250	240	280	318	4.1
23	245	255	240	205	215	270	190	150	120	90	75	75	75	315	320	325	300	310	250	260	205	205	80	215	255	0.5
24	335	230	***	90	50	280	200	90	80	60	30	205	260	325	305	265	205	210	200	195	190	200	200	195	213	1.7
25	180	200	***	265	285	270	300	310	350	345	315	345	360	5	350	345	340	360	105	100	170	200	***	***	334	2.5
26	***	320	***	265	180	345	***	***	35	60	***	35	5	5	50	25	210	200	185	95	80	75	100	125	124	0.4
27	115	100	115	130	170	195	25	40	80	30	10	5	350	250	225	205	290	245	190	200	85	80	100	115	162	0.5
28	115	175	195	130	130	145	145	145	135	215	210	205	245	225	205	220	215	200	205	195	40	80	90	85	192	2.1
29	100	65	85	90	35	185	170	70	195	205	210	200	205	210	210	210	205	200	195	200	180	45	90	***	196	4.3
30	265	260	265	260	235	245	235	215	305	335	345	340	340	315	340	310	305	***	280	225	205	205	***	220	271	1.3
31	***	120	215	5	345	310	130	100	85	195	175	205	210	220	195	185	185	185	200	260	140	200	185	***	196	1.9
VD	197	192	188	157	200	160	196	70	30	290	278	263	273	281	292	299	284	276	214	203	204	204	214	175	255	
VV	0.7	0.9	0.3	0.3	0.5	0.4	0.4	0.5	0.4	0.5	1.2	1.6	1.9	2.2	1.8	1.8	2.0	1.4	1.2	1.7	1.0	0.4	0.5	0.3		0.7

TOTAL NUMBER OF OBSERVATIONS = 718

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
30 METER LEVEL

CB-TRACT
TRAILER AA23
OCT 1978
OCCIDENTAL OIL SHALE, INC.

DAY	HOUR (LOCAL STANDARD TIME) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	VECTOR DIR	VEL
1	205	215	195	185	115	120	135	125	225	210	225	245	255	235	245	250	245	270	310	265	325	10	355	350	247	3.0
2	45	285	250	255	245	45	75	295	315	325	300	340	335	5	20	25	20	25	55	90	***	20	***	***	369	1.5
3	105	***	***	***	250	***	30	135	80	355	30	360	350	355	350	45	5	360	***	200	160	***	30	90	8	0.3
4	105	160	130	180	200	210	225	120	85	345	25	30	20	340	10	350	20	15	85	165	225	110	320	125	27	0.9
5	140	260	25	310	245	35	55	75	305	350	320	325	340	345	10	25	20	25	360	320	275	170	330	160	356	1.1
6	125	115	160	120	195	180	210	240	60	35	25	345	345	350	25	20	15	25	50	250	80	75	220	295	12	0.3
7	130	170	***	110	235	175	280	220	75	15	355	360	355	10	20	10	360	15	70	110	215	105	220	120	11	0.9
8	190	185	240	185	140	180	205	255	85	345	335	305	325	325	360	350	335	285	245	215	55	280	275	***	310	1.3
9	340	240	60	***	320	330	230	45	60	35	40	30	350	15	35	15	5	25	35	120	200	50	210	220	17	0.9
10	340	345	190	125	275	180	55	50	110	85	340	340	348	345	348	330	305	325	225	240	238	248	300	13	320	1.4
11	360	***	155	103	240	210	210	210	125	20	35	45	5	355	345	335	325	315	270	225	225	240	275	90	321	1.0
12	153	195	135	150	193	245	180	103	40	55	358	17	15	348	333	345	343	343	5	35	18	20	7	32	1	1.7
13	318	320	300	295	253	285	240	120	130	90	50	20	330	315	342	15	35	50	78	108	106	303	345	185	349	0.8
14	227	210	305	123	***	108	303	30	108	20	360	7	360	25	350	360	350	345	240	228	275	135	265	108	343	0.6
15	110	150	10	***	115	105	178	225	115	75	18	360	360	360	358	15	360	10	75	183	185	5	165	150	31	0.5
16	123	140	165	140	105	148	140	123	105	223	223	238	238	233	223	243	243	255	225	215	240	110	145	152	216	3.0
17	163	150	160	155	110	133	125	78	340	240	238	230	240	240	235	255	260	275	258	265	235	260	248	240	236	3.1
18	258	190	210	193	150	152	135	195	290	242	165	153	193	275	305	45	20	115	195	210	180	225	103	148	196	1.4
19	183	270	***	30	180	345	170	140	87	35	300	225	228	225	243	255	235	243	210	210	235	213	190	110	230	2.4
20	135	195	10	130	150	155	135	110	***	225	333	227	230	232	212	210	165	215	185	195	225	135	185	140	209	2.5
21	170	160	150	165	168	168	185	180	121	345	330	355	5	320	3	355	333	315	313	310	307	310	315	327	326	0.7
22	315	321	338	355	345	355	358	348	333	345	347	330	330	340	345	347	353	355	340	330	285	238	275	310	339	4.1
23	260	320	315	237	258	180	230	160	150	115	***	355	315	315	320	352	310	323	287	300	234	215	37	165	298	0.6
24	15	260	247	92	88	315	217	165	45	97	15	262	270	345	328	315	230	232	220	225	210	225	227	235	242	1.6
25	212	220	272	280	307	296	326	330	360	7	343	355	10	17	9	15	356	10	60	90	150	165	221	205	351	2.1
26	135	65	105	115	130	120	75	240	75	116	150	90	40	75	90	45	232	225	225	223	167	113	133	150	170	0.7
27	158	144	150	158	190	268	345	47	120	40	35	10	20	247	230	225	285	240	210	225	71	148	153	172	199	0.7
28	195	223	217	210	200	193	175	175	125	240	247	257	258	247	240	235	235	220	220	215	210	135	195	160	220	3.1
29	160	220	115	120	230	208	165	105	220	220	217	235	235	232	235	235	235	225	225	230	210	193	120	60	221	4.6
30	293	285	288	295	280	283	265	250	286	318	333	7	5	330	345	345	330	130	297	280	273	228	150	215	296	1.1
31	345	117	285	60	30	10	145	210	185	225	225	233	240	233	225	215	210	205	233	300	135	168	240	225	226	1.5
VD	204	208	213	175	218	202	187	143	33	278	299	291	294	297	305	317	303	298	243	227	222	220	240	181	270	
VV	0.6	0.9	0.5	0.5	0.5	0.6	0.5	0.3	0.2	0.6	1.2	1.7	2.1	2.1	1.8	2.0	2.0	1.4	1.3	1.6	1.3	0.5	0.7	0.4		0.8

TOTAL NUMBER OF OBSERVATIONS = 719

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
60 METER LEVEL

CB-TRACT
TRAILER AA23
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	195	225	210	175	170	110	175	170	225	215	225	245	245	235	235	230	245	265	305	290	320	25	350	355	246	3.5
2	40	325	305	280	260	290	25	315	310	325	290	325	310	350	10	360	355	10	40	30	320	335	40	290	345	1.7
3	110	310	10	55	250	230	65	105	95	355	25	360	345	325	315	35	325	355	5	160	185	255	340	30	350	0.7
4	55	215	125	190	180	210	215	170	90	320	345	15	330	315	10	330	350	360	60	125	185	160	***	95	353	0.8
5	120	175	25	290	265	315	30	230	305	330	315	315	325	325	350	20	5	***	360	330	345	140	25	250	339	1.1
6	220	135	120	105	115	115	100	180	100	30	15	320	335	325	350	340	345	5	10	320	30	200	160	310	353	1.0
7	115	135	260	95	125	180	290	***	110	355	345	350	340	360	335	350	345	360	70	130	240	145	225	195	351	1.1
8	190	195	265	285	100	135	220	215	185	280	325	300	305	330	330	330	315	280	235	225	5	285	280	35	300	1.4
9	60	225	220	300	260	320	310	210	130	355	10	335	290	355	345	355	325	10	15	150	175	205	200	225	335	0.9
10	310	230	225	70	305	200	115	75	85	10	350	325	350	330	280	280	285	310	275	255	240	250	285	330	297	1.7
11	325	100	135	145	225	215	225	210	155	340	25	45	305	335	335	325	315	305	260	220	245	245	270	***	299	1.1
12	95	***	115	125	195	220	185	***	35	10	330	340	330	350	340	330	340	325	360	10	20	15	360	20	353	2.3
13	340	330	310	300	270	280	310	220	210	65	30	10	315	295	315	350	15	35	90	120	195	***	***	195	334	1.1
14	***	135	285	190	70	75	90	320	230	350	330	345	350	20	315	340	340	335	285	215	230	85	235	***	329	0.8
15	***	135	***	270	70	105	145	160	110	25	360	350	330	340	345	310	355	350	65	150	160	170	195	***	353	0.6
16	***	150	160	135	120	165	155	155	165	225	210	230	220	230	220	225	230	250	215	205	210	125	95	125	212	3.8
17	145	140	140	185	150	120	135	300	310	250	230	220	225	225	220	240	245	260	265	265	230	260	245	255	233	3.3
18	245	180	195	200	115	160	145	195	270	***	140	150	170	260	***	15	10	100	175	200	95	220	145	125	177	1.5
19	125	***	295	40	125	155	130	135	105	55	290	210	215	235	235	230	225	200	215	225	230	185	215	219	2.3
20	200	200	310	200	345	155	165	125	***	210	240	220	215	220	220	185	165	195	165	180	227	145	167	130	201	3.1
21	155	150	135	155	163	167	185	175	175	275	325	340	355	335	340	345	335	305	310	305	305	305	320	320	304	0.9
22	310	325	340	345	340	340	345	335	330	325	340	325	320	325	335	335	330	340	330	320	290	295	285	305	330	4.7
23	280	315	330	215	275	165	205	155	135	120	95	330	320	315	315	340	310	325	310	305	245	215	85	140	320	0.6
24	350	90	275	265	80	5	195	195	330	70	5	215	265	330	305	275	220	215	210	195	195	215	215	225	****	****
25	200	205	280	295	305	290	315	335	350	350	320	345	360	360	355	5	340	10	75	100	135	155	210	260	358	2.1
26	185	295	20	125	125	140	280	215	60	105	115	15	350	***	35	25	220	210	210	190	160	170	115	125	****	****
27	140	145	140	135	175	***	320	25	120	40	10	355	5	290	235	195	300	245	215	185	195	190	205	190	****	****
28	210	215	205	200	200	200	195	195	155	215	225	235	265	240	215	225	215	215	205	200	205	205	195	195	****	****
29	175	180	155	150	205	195	160	105	225	205	210	215	215	220	225	220	230	215	215	220	215	200	***	330	****	****
30	280	285	295	290	295	285	280	260	290	305	335	350	340	310	325	330	310	135	335	320	275	230	***	190	****	****
31	280	***	***	130	105	355	170	200	200	200	205	215	215	230	200	195	170	190	220	285	150	120	215	***	****	****
VD	204	190	226	191	173	169	206	177	258	292	286	284	277	289	295	303	311	316	295	217	229	250	253	283	276	
VV	0.6	0.9	0.3	0.3	0.2	0.4	0.4	0.6	0.2	1.0	1.4	1.9	2.5	2.5	2.6	2.3	2.5	2.0	0.6	1.4	1.3	0.6	1.0	0.6		0.9

TOTAL NUMBER OF OBSERVATIONS = 539

NOTE: **** = MISSING DATA

SIGNA HORIZ. WIND DIR. @ 10M
DEGREES

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	4	4	4	4	3	3	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4	5
2	5	4	4	4	4	3	3	3	4	5	4	5	5	5	5	5	5	4	5	4	5	5	4	6	4	6
3	7	4	4	4	4	3	4	5	5	5	5	5	5	5	5	5	5	5	4	3	4	5	5	10	5	10
4	13	4	3	3	3	5	6	5	5	5	4	5	5	5	5	5	5	4	5	6	4	4	4	5	5	13
5	4	4	4	4	4	5	4	4	5	5	4	4	4	5	5	5	5	4	4	4	4	5	4	5	4	5
6	5	5	4	4	3	5	4	6	5	4	4	4	4	5	5	5	5	4	4	4	3	4	4	4	4	6
7	5	4	5	5	4	4	4	5	5	5	4	4	5	5	5	4	4	4	4	4	3	7	7	5	5	7
8	4	3	4	5	6	4	3	5	5	5	4	5	4	4	4	4	4	4	4	4	5	4	4	5	4	6
9	4	4	4	5	4	4	4	3	5	5	5	6	5	5	6	5	5	4	4	3	4	5	4	4	4	6
10	4	4	4	4	4	4	4	5	5	5	5	5	5	5	7	4	4	4	4	4	4	4	4	5	4	7
11	4	3	3	5	4	7	4	5	5	5	5	5	6	5	5	5	5	4	4	4	5	4	4	5	5	7
12	4	4	4	4	9	6	5	6	6	6	6	6	5	5	4	4	4	4	5	6	5	5	5	5	5	9
13	4	4	4	4	4	4	4	4	9	5	5	5	5	4	4	4	4	5	5	3	4	5	5	4	5	9
14	4	4	5	3	4	5	4	5	8	5	5	5	5	5	5	5	4	4	4	4	5	5	4	3	5	8
15	4	5	4	5	5	4	4	4	4	5	4	5	5	5	4	5	4	4	4	3	6	4	4	6	4	6
16	5	5	3	3	3	3	3	3	3	4	3	3	4	4	4	4	4	4	3	3	4	5	5	4	4	5
17	3	3	3	3	3	3	3	3	5	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	5
18	4	3	4	4	3	3	3	4	4	3	3	4	3	4	5	5	4	5	4	4	5	3	3	5	4	5
19	5	4	4	5	4	4	4	5	5	5	4	3	4	4	4	4	4	4	3	3	4	5	5	5	4	5
20	5	5	5	5	5	5	5	5	5	5	4	4	3	3	3	3	3	3	3	3	4	3	3	3	4	5
21	3	3	3	3	3	3	3	3	3	4	4	10	10	10	10	9	10	6	6	6	5	6	6	7	6	10
22	7	7	8	9	8	8	9	8	8	8	8	9	8	8	9	9	9	8	8	8	7	7	7	8	8	9
23	7	11	10	5	4	9	11	10	14	17	13	22	5	25	20	13	11	7	12	12	7	18	22	11	12	25
24	13	7	21	16	11	10	12	19	11	22	21	22	24	11	20	24	12	8	9	10	49	9	12	14	16	49
25	9	10	17	13	8	8	9	10	13	12	17	17	14	13	13	15	10	7	12	10	13	15	24	14	13	24
26	28	12	25	16	25	13	17	15	18	27	35	28	28	47	20	21	10	8	7	15	10	8	7	8	19	47
27	10	9	6	7	8	6	15	15	12	16	17	26	19	25	24	16	19	11	9	15	15	10	10	8	14	26
28	16	15	10	19	14	8	8	8	22	15	16	25	32	20	16	14	10	8	7	11	21	19	21	27	16	32
29	19	21	9	12	13	9	16	22	14	14	15	11	13	11	11	12	11	8	7	6	13	17	16	27	14	27
30	9	9	8	10	8	7	7	7	21	22	19	22	23	17	22	12	11	9	11	8	13	11	21	8	13	23
31	19	9	9	16	16	24	29	14	19	11	18	16	14	18	16	17	16	9	10	9	21	10	17	26	16	29
AV	8	6	7	7	6	6	7	7	8	8	9	10	9	10	9	8	7	6	6	6	8	7	8	8	8	
PK	28	21	25	19	25	24	29	22	22	27	35	28	32	47	24	24	19	11	12	15	49	19	24	27		49

TEMPERATURE
DEGREE C

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	7	6	6	6	6	4	6	6	8	13	21	23	23	23	23	23	23	23	22	19	17	14	13	10	14	23
2	9	8	6	5	4	3	3	2	4	8	12	14	16	17	17	18	17	20	17	13	8	7	4	3	10	20
3	2	1	1	-1	-2	-2	-2	-2	1	4	10	13	14	16	16	18	19	19	17	10	8	7	4	4	7	19
4	3	3	2	2	2	1	2	1	3	10	13	17	18	18	19	19	20	19	18	13	9	7	6	4	10	20
5	4	3	2	2	1	1	0	0	2	6	11	13	16	17	17	18	18	18	17	9	7	6	5	3	3	18
6	2	2	2	2	2	1	1	1	2	8	13	16	18	19	19	19	20	20	17	10	8	6	5	4	9	20
7	4	3	3	3	2	2	1	3	8	13	16	19	19	19	20	19	19	18	12	9	8	7	7	6	10	20
8	6	6	6	6	4	4	4	4	10	16	18	19	20	20	20	21	21	13	17	13	12	9	7	7	12	21
9	6	4	4	4	3	3	2	4	8	13	17	17	18	19	20	21	20	18	12	11	10	8	7	6	11	21
10	6	5	4	4	3	3	2	6	9	16	18	19	20	21	21	21	20	17	13	11	10	9	9	8	11	21
11	7	6	6	5	4	4	3	7	12	16	18	19	20	21	21	21	21	18	14	12	11	9	8	7	12	21
12	7	6	5	4	4	4	4	6	10	16	17	18	19	20	21	21	20	16	16	16	9	8	7	4	12	21
13	3	1	1	-1	-3	-2	-2	1	3	7	10	12	14	14	16	17	16	14	9	7	4	1	3	2	6	17
14	1	1	1	0	1	-1	-1	1	6	11	14	16	16	18	19	19	18	16	12	8	7	6	6	4	8	19
15	4	3	2	1	1	1	1	3	8	13	16	18	19	20	21	20	19	15	12	9	7	6	5	4	10	21
16	4	4	3	4	4	4	4	6	11	18	19	19	19	21	21	21	21	18	12	10	9	8	7	6	11	21
17	6	6	6	6	7	7	7	8	11	16	18	19	19	19	19	18	18	17	14	13	13	13	12	13	13	19
18	15	12	11	13	12	13	12	13	13	12	13	14	16	17	17	15	15	13	9	7	6	6	4	4	12	17
19	4	3	3	2	2	1	2	3	6	9	15	19	19	21	20	21	20	15	19	12	9	8	7	7	10	21
20	7	6	6	5	5	6	7	8	6	8	13	17	17	15	13	13	13	12	12	12	12	11	12	12	10	17
21	12	11	11	11	11	11	10	10	11	11	11	11	11	11	11	11	10	9	9	9	9	9	9	9	10	12
22	8	8	8	8	8	8	7	7	6	6	7	7	7	7	8	8	8	8	6	4	3	2	1	1	6	8
23	-1	-1	-1	-2	-2	-2	-2	-4	0	3	4	7	9	11	12	13	12	14	6	4	3	2	2	1	4	14
24	1	1	1	1	1	0	-1	1	2	4	10	19	19	14	15	16	13	12	9	9	8	9	10	10	8	19
25	10	8	7	6	6	6	4	4	4	3	5	6	7	8	8	8	8	6	3	1	0	-3	-3	-3	4	10
26	-3	-4	-4	-4	-5	-5	-6	-4	-1	4	10	12	13	14	16	16	15	10	9	7	4	4	3	1	4	16
27	1	1	1	0	-1	-1	-1	0	4	7	10	13	17	18	18	18	17	14	9	7	6	4	3	3	7	13
28	3	2	2	2	1	1	1	2	4	9	14	16	17	18	18	18	17	16	13	9	7	7	6	5	9	13
29	4	4	4	5	6	6	6	4	8	14	14	17	17	17	14	14	14	16	13	8	7	7	6	6	10	17
30	4	4	3	2	1	1	1	1	3	6	7	7	8	8	9	10	10	8	3	3	3	3	3	1	5	10
31	1	1	0	0	0	0	0	1	4	11	13	16	17	17	17	17	15	11	9	6	4	3	3	3	7	17
AV	5	4	4	3	3	3	2	3	6	10	13	15	16	17	17	17	17	15	12	9	8	7	6	5	9	
PK	15	12	11	13	12	13	12	13	13	18	21	23	23	23	23	23	23	23	22	19	17	14	13	13		23

(05/14/79-RPI)

TEMPERATURE @ 10M
DEGREE C

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	14	14	15	15	14	14	14	15	13	22	23	24	25	25	24	24	24	23	21	19	18	16	15	13	19	25
2	12	11	9	8	7	7	6	7	9	12	13	14	16	16	17	17	16	15	13	12	11	9	8	8	11	17
3	7	6	4	3	3	2	1	3	7	9	12	14	15	16	18	18	18	17	14	13	11	9	11	11	10	18
4	11	9	9	9	8	8	8	9	13	15	16	17	18	18	19	19	19	18	16	14	12	11	9	10	13	19
5	8	8	7	5	5	4	4	6	8	11	13	14	16	17	18	18	17	16	14	12	12	11	8	7	11	18
6	7	7	7	7	5	5	4	6	10	14	16	18	19	19	20	20	19	18	16	15	14	11	10	9	12	20
7	11	11	13	9	8	8	6	9	13	16	18	19	19	20	20	20	19	18	17	16	14	13	12	13	14	20
8	12	13	12	12	12	12	11	11	14	17	18	20	20	21	21	21	21	19	17	15	15	14	13	12	16	21
9	11	11	9	8	8	8	7	8	11	14	16	17	18	19	19	20	20	19	17	16	14	12	12	11	14	20
10	11	11	10	9	9	9	9	8	12	16	18	19	19	19	21	21	20	19	18	16	14	14	14	13	15	21
11	13	12	12	11	9	9	8	9	13	16	18	19	20	21	22	22	21	19	16	14	14	14	13	13	15	22
12	12	11	10	10	10	8	8	9	13	14	16	18	18	19	21	21	19	18	16	14	13	12	11	8	14	21
13	7	4	3	1	0	0	-1	-1	1	4	7	10	12	13	14	14	14	13	12	11	9	8	7	7	7	14
14	6	4	5	4	4	3	3	3	7	11	13	15	16	13	19	19	19	18	14	13	13	12	11	12	11	19
15	11	10	7	7	7	8	7	7	10	14	16	17	19	19	19	21	19	18	17	14	13	11	11	11	13	21
16	10	11	11	10	11	9	8	9	14	18	19	19	20	21	21	21	20	18	15	15	13	11	12	11	14	21
17	11	10	11	11	10	9	11	12	13	16	17	18	19	19	18	18	17	17	15	14	14	15	16	14	14	19
18	13	12	12	11	10	10	9	11	11	10	11	13	14	14	16	14	13	12	11	9	8	8	8	8	11	16
19	7	7	7	6	7	6	6	7	11	14	18	19	19	20	20	19	19	17	15	13	12	13	13	10	13	20
20	11	11	9	10	10	10	10	9	11	13	14	16	16	13	11	10	10	9	9	8	8	8	8	8	11	16
21	8	8	8	8	8	8	8	8	8	9	8	7	7	7	7	7	7	6	6	6	6	6	5	5	7	9
22	6	6	6	4	3	3	2	2	1	1	1	2	2	2	3	3	3	3	2	2	1	-1	-1	-1	2	6
23	-2	-2	-2	-2	-3	-3	-3	-2	-2	-1	1	4	7	8	10	11	9	8	7	4	3	4	2	2	2	11
24	2	1	2	1	1	0	1	2	3	4	9	12	13	12	13	13	12	9	8	8	7	7	7	7	6	13
25	7	6	6	4	2	1	-1	-1	-1	-2	-1	1	2	3	3	3	3	2	1	-1	-1	-2	-2	-2	1	7
26	-2	-3	-2	-2	-2	-2	-3	-2	1	4	8	10	11	12	13	14	13	10	7	7	5	4	4	4	5	14
27	5	4	3	4	4	3	3	2	6	9	13	15	16	17	17	16	16	13	10	8	8	7	7	7	9	17
28	8	7	7	7	6	6	7	7	9	12	14	16	17	17	17	16	15	13	11	10	9	8	9	8	11	17
29	7	7	6	7	8	9	8	8	11	13	14	15	16	16	16	16	15	13	11	9	9	9	8	8	11	16
30	4	4	3	2	1	0	-1	0	1	1	2	5	6	7	8	8	7	7	6	4	4	4	3	2	4	8
31	2	1	2	1	2	3	3	4	7	11	12	13	14	14	14	14	14	12	9	8	8	8	6	7	8	14
AV	8	7	7	6	6	6	5	6	8	11	13	14	15	16	16	16	15	14	12	11	10	9	9	8	10	
PK	14	14	15	15	14	14	14	15	14	22	23	24	25	25	24	24	24	23	21	19	18	16	16	14		25

(05/14/79-RPI)

TEMPERATURE @ 30M
DEGREE C

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	16	16	16	16	15	15	15	16	18	21	22	23	24	24	23	23	23	22	21	19	18	16	15	13	19	24
2	12	11	9	8	7	7	6	7	8	11	12	13	14	15	16	16	16	14	13	12	11	9	9	8	11	16
3	8	7	5	4	3	2	2	3	6	8	11	12	14	15	16	17	17	16	14	14	12	11	11	11	10	17
4	11	11	10	10	10	9	9	10	13	14	15	16	17	18	18	18	18	18	16	15	14	11	10	10	13	18
5	9	9	7	7	6	4	4	6	7	9	12	13	14	16	16	16	16	15	14	13	11	11	8	8	11	16
6	8	8	8	7	7	6	6	7	9	13	16	17	18	19	19	19	19	18	17	16	14	13	11	11	13	19
7	11	12	8	9	9	9	7	8	12	14	16	17	18	18	19	19	19	18	17	16	14	14	14	13	14	19
8	14	14	12	12	12	13	13	12	13	16	17	18	19	19	19	19	19	19	17	15	16	15	14	12	15	19
9	12	12	11	9	8	8	8	8	10	13	14	16	17	18	19	19	19	18	17	16	16	13	13	12	14	19
10	12	12	11	11	10	9	9	9	12	15	17	18	19	19	19	19	19	19	17	17	14	14	14	13	15	19
11	12	12	12	11	11	10	9	11	13	15	18	19	20	21	21	21	21	20	18	17	15	15	14	14	15	21
12	13	13	12	11	12	13	13	13	13	14	16	16	18	19	20	20	19	18	17	18	14	13	12	12	15	20
13	7	6	4	3	2	1	0	1	2	4	7	9	11	12	13	14	13	13	13	12	12	12	9	8	8	14
14	7	7	7	6	7	7	6	4	5	11	13	15	16	17	18	19	19	18	17	16	14	13	13	13	12	19
15	13	12	9	8	8	8	9	8	11	14	16	18	18	19	19	21	20	19	17	17	14	14	13	13	14	21
16	13	12	11	12	13	11	10	11	14	17	18	18	18	20	21	21	20	18	17	17	14	14	13	12	15	21
17	13	11	11	12	13	11	12	13	14	16	17	17	18	18	18	18	17	17	16	15	15	16	16	14	15	18
18	13	12	12	11	11	10	10	9	10	10	11	13	13	14	15	15	13	12	12	11	9	10	10	9	12	15
19	8	8	8	7	8	7	7	9	11	14	18	19	19	19	19	19	19	18	17	15	13	13	13	13	13	19
20	13	13	11	12	11	12	12	10	13	14	16	16	16	14	10	10	10	9	9	8	8	8	8	8	11	16
21	9	8	8	8	8	8	8	8	8	9	8	7	7	7	7	7	7	6	6	6	6	6	6	6	7	9
22	6	6	6	5	3	3	2	2	2	1	1	1	2	2	2	3	3	3	3	2	1	1	-1	-1	2	6
23	-1	-1	-2	-2	-2	-2	-2	-2	-2	-1	1	3	7	8	9	10	10	8	7	6	8	5	4	3	3	10
24	3	2	3	2	2	2	2	3	6	5	8	12	13	12	12	13	12	13	8	8	7	7	7	7	7	13
25	8	7	6	6	2	1	0	-1	-1	-2	-1	1	1	-1	2	3	3	2	2	1	1	-1	-1	-1	2	8
26	-1	-2	-1	-1	-1	-1	-1	-1	0	4	8	9	11	12	13	14	12	11	9	8	7	7	7	7	5	14
27	7	6	5	6	7	6	4	3	6	10	12	14	16	16	17	17	16	14	11	10	10	8	9	9	10	17
28	8	8	8	8	7	7	7	7	9	12	14	15	16	17	16	16	15	13	12	12	11	10	10	9	11	17
29	9	8	8	8	9	10	8	8	10	12	13	15	16	16	16	16	15	14	12	11	11	9	9	9	11	16
30	4	4	3	2	1	1	1	1	1	2	3	4	5	6	7	8	7	7	6	6	5	4	4	4	4	8
31	3	2	3	3	3	4	4	5	7	11	12	12	13	13	14	14	14	13	13	9	9	9	8	7	9	14
AV	9	9	8	8	7	7	7	7	8	11	12	13	14	15	15	16	15	14	13	12	11	10	10	9	11	
PK	16	16	16	16	15	15	15	16	18	21	22	23	24	24	23	23	23	22	21	19	18	16	16	14		24

TEMPERATURE @ 60M *
DEGREE C

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	17	17	17	17	16	17	16	17	14	21	23	24	25	25	24	24	24	23	21	20	18	17	15	14	19	25
2	13	12	11	9	8	8	7	8	10	12	13	14	15	15	16	16	16	15	14	13	12	11	10	9	12	16
3	8	7	7	5	5	4	3	5	6	9	12	14	14	16	17	17	17	17	15	14	14	12	12	12	11	17
4	12	11	11	12	10	10	11	12	14	14	15	16	17	17	18	18	18	18	17	15	14	14	12	11	14	18
5	10	10	9	6	7	6	6	6	8	10	12	14	15	16	17	17	17	16	15	15	13	12	10	9	11	17
6	9	10	10	9	8	8	7	9	11	14	15	17	18	18	19	19	19	18	17	16	16	15	13	12	14	19
7	13	13	17	11	11	11	9	11	13	15	17	18	18	19	19	19	19	19	18	17	17	16	15	15	15	19
8	15	15	14	14	13	14	13	13	14	17	18	19	20	20	20	20	20	19	16	17	16	16	15	13	16	20
9	13	12	12	11	10	10	9	9	11	14	15	17	18	18	19	19	19	19	18	17	15	15	15	14	15	19
10	13	12	12	12	11	11	11	11	13	16	17	18	18	19	20	20	20	19	19	17	16	16	15	14	15	20
11	13	13	13	12	12	12	10	13	14	15	17	19	19	20	21	21	21	20	18	17	15	15	15	14	16	21
12	13	13	12	11	12	10	11	12	13	14	15	17	18	19	20	20	19	18	17	15	14	13	11	9	14	20
13	8	6	5	2	1	1	0	0	1	4	6	9	11	12	13	14	13	13	12	11	11	10	9	9	8	14
14	8	7	7	7	7	7	6	5	7	10	12	14	16	17	18	18	18	18	16	16	14	14	13	13	12	18
15	14	12	10	9	9	9	9	10	11	13	15	17	18	19	19	20	19	18	17	16	16	14	14	13	14	20
16	13	12	12	12	13	12	11	12	15	17	18	18	19	20	20	21	20	18	17	17	15	14	14	13	16	21
17	13	12	13	13	13	12	12	13	15	16	17	17	18	19	18	17	17	17	16	15	14	15	15	14	15	19
18	13	12	11	11	10	10	10	11	10	10	11	13	13	14	15	14	12	12	12	11	10	10	10	10	11	15
19	9	8	9	9	9	8	8	9	11	13	17	18	19	19	20	19	19	17	16	15	14	14	14	13	14	20
20	13	13	12	12	11	12	12	11	14	14	13	16	15	13	10	10	10	9	9	8	8	8	8	8	11	16
21	8	8	8	8	8	8	8	8	8	10	9	6	7	7	7	7	6	6	6	5	6	6	5	5	7	10
22	6	6	6	4	3	3	2	2	1	1	1	1	2	2	2	3	3	3	2	2	1	0	0	-1	2	6
23	-1	-1	-2	-2	-2	-2	-2	-2	-2	-1	1	3	6	8	9	10	9	8	6	5	5	6	4	4	3	10
24	3	3	3	3	3	1	2	5	5	7	9	12	12	12	13	12	12	10	8	8	7	7	7	7	7	13
25	8	6	6	4	2	0	-1	-1	-2	-2	-1	0	1	2	3	3	2	2	1	0	0	0	-1	0	1	8
26	0	-1	0	0	0	0	-1	1	1	4	7	9	10	12	13	13	12	10	9	8	7	7	6	6	6	13
27	7	6	6	5	6	6	5	5	7	9	12	14	15	16	16	16	15	14	12	11	9	9	9	9	10	16
28	8	9	9	9	7	8	8	8	9	12	13	15	16	16	16	15	15	13	13	12	11	10	10	10	11	16
29	9	9	8	9	9	9	8	9	10	12	14	15	16	16	16	16	15	13	11	11	11	10	10	9	11	16
30	5	4	3	2	2	1	0	0	0	1	2	4	5	6	7	7	7	7	6	6	5	5	4	4	4	7
31	3	3	3	3	5	5	5	6	7	10	12	12	13	14	14	14	14	13	12	10	10	9	8	9	9	14
AV	10	9	9	8	8	7	7	8	9	11	12	14	14	15	15	16	15	14	13	12	11	11	10	10	11	
PK	17	17	17	17	16	17	16	17	15	21	23	24	25	25	24	24	24	23	21	20	18	17	15	15		25

* COMPUTED USING TEMP @10m AND DELTA T 60-10m

(05/15/79-RPI)

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD42 PERIOD(10/01/78 TO 10/31/78)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	3	3	3	7	14	21	22	23	24	24	24	25	23	22	21	18	17	14	13	12	15
2	10	6	4	1	0	0	-2	1	4	9	12	13	13	14	15	14	14	14	12	9	4	1	-1	-1	7
3	-2	-3	-4	-5	-6	-6	-6	-3	2	7	11	12	13	14	16	14	17	15	12	7	3	1	0	-1	5
4	-1	-1	-1	-1	-1	-2	-3	0	6	14	13	14	17	17	17	18	18	16	13	10	4	3	2	1	7
5	-1	-1	-2	-3	-3	-3	-4	-2	4	8	9	13	13	14	16	16	16	14	11	7	3	1	1	0	5
6	0	-2	-2	-2	-3	-3	-3	-1	4	11	13	16	16	17	18	18	18	16	13	8	3	1	1	0	7
7	0	0	0	-1	0	-1	-1	1	7	13	14	17	18	18	18	18	18	17	13	9	4	4	3	2	8
8	2	2	1	1	1	1	0	2	9	13	16	18	18	18	19	18	18	18	16	12	12	9	4	3	10
9	2	0	0	0	-1	0	-1	1	5	13	15	16	17	18	18	18	18	17	13	11	6	6	4	2	7
10	1	1	0	0	-1	-1	-1	0	7	13	16	17	18	18	18	19	18	17	14	9	7	6	4	4	8
11	4	2	2	0	0	-1	-1	1	6	13	14	18	17	18	19	18	18	17	16	12	7	6	4	4	9
12	4	1	2	1	0	0	-1	1	7	12	13	15	16	18	18	18	18	15	13	12	10	8	7	4	9
13	1	0	-3	-4	-6	-6	-6	-6	-3	0	5	8	10	11	12	12	12	11	8	5	2	0	0	0	3
14	-2	-2	-3	-3	-5	-4	-5	-2	2	8	13	14	15	17	17	17	18	16	11	7	4	3	2	2	6
15	0	-1	0	0	-2	-2	-3	-1	4	11	14	15	17	18	18	19	18	16	12	7	4	2	3	0	7
16	0	0	0	0	0	0	0	3	7	16	17	17	19	18	19	18	18	16	12	8	5	6	4	3	9
17	2	1	1	1	2	5	3	3	6	13	15	15	17	17	16	16	14	15	12	12	11	9	11	11	10
18	12	9	9	9	8	7	7	6	7	6	7	11	12	12	13	13	9	8	7	4	4	1	0	0	7
19	-1	-1	-1	-1	-1	-1	-1	-1	4	10	14	17	18	18	19	18	18	16	13	8	6	4	3	4	8
20	3	4	2	2	2	2	3	3	6	8	7	15	13	11	7	8	8	8	6	4	6	5	5	5	6
21	6	5	5	5	6	5	6	4	4	6	6	3	3	4	4	4	3	4	3	3	2	2	2	2	4
22	2	2	2	2	1	1	1	1	1	-1	0	-1	0	0	0	2	2	1	1	0	-1	-1	-3	-5	0
23	-5	-6	-7	-6	-8	-8	-8	-8	-7	-3	-1	1	3	6	7	8	7	6	2	1	-2	-3	-3	-5	-1
24	-4	-3	-4	-6	-4	-4	-4	-5	-3	-1	5	9	11	9	10	11	10	8	6	5	4	4	4	-1	2
25	4	4	2	2	1	-1	-1	-3	-3	-5	-3	-1	0	1	1	1	1	1	-1	-3	-5	-7	-7	-8	0
26	-8	-8	-9	-9	-9	-7	-6	-6	-2	1	6	8	9	11	13	12	11	8	3	2	2	1	-1	0	1
27	0	-6	-7	-3	-4	-5	-7	-5	0	6	9	11	14	16	15	14	13	11	6	2	1	1	0	-1	3
28	-1	-3	-3	-1	-1	-1	-1	0	2	8	12	14	16	15	16	15	14	11	8	5	3	2	2	1	6
29	1	1	2	2	1	2	2	2	8	10	12	13	13	13	14	14	13	11	8	6	2	1	2	2	6
30	1	1	1	-1	-3	-5	-4	-5	-3	-1	0	1	2	3	5	4	4	3	1	1	-1	-1	-2	-1	0
31	-4	-6	-5	-6	-7	-6	-5	-5	0	3	9	11	12	12	14	13	12	9	6	2	1	-1	-2	-1	2
MEAN	1	0	0	0	0	0	-1	0	3	8	10	12	13	14	14	14	14	12	9	7	4	3	2	1	6

TOTAL NUMBER OF OBSERVATIONS = 744

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD56 PERIOD(10/01/78 TO 10/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
2	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
3	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	17	16	18	17	13	7	RF	RF	RF	RF	RF	
4	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
5	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	20	20	RF	RF	RF	RF	RF	RF	RF	RF	RF	
6	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
7	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
8	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
9	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
10	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	20	20	19	18	16	11	8	5	2	1	0	
11	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
12	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
13	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
14	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
15	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
16	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
17	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
18	RF	RF	RF	RF	RF	RF	RF	RF	RF	14	18	19	20	20	19	RF	RF	RF	RF	RF	RF	RF	RF	RF	
19	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
20	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
21	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
22	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
23	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
24	RF	RF	RF	RF	RF	RF	RF	RF	RF	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
29	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
30	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
31	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 25

DELTA TEMPERATURE 60-10M
DEGREE C*100

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	328	294	189	175	239	267	161	225	33	-36	0	-28	3	-28	-14	0	-22	-14	0	14	44	53	50	86	84	328
2	75	172	136	114	164	139	172	111	64	-61	-50	-83	-67	-89	-92	-61	-44	31	36	94	106	239	136	128	57	239
3	114	114	253	183	150	219	194	131	-33	-61	-61	-67	-78	-56	-78	-53	-44	14	86	167	328	231	111	189	81	328
4	144	206	261	214	256	222	306	286	44	-50	-75	-81	-89	-86	-58	-75	-58	17	64	108	225	356	239	103	103	356
5	178	156	228	142	214	200	169	97	11	-53	-69	-89	-100	-72	-72	-72	-56	25	81	128	108	128	189	222	70	228
6	197	258	336	264	283	297	283	317	56	-61	-67	-86	-83	-92	-75	-67	-36	19	78	111	178	347	317	300	128	347
7	272	253	328	228	256	317	325	136	-17	-58	-75	-86	-94	-89	-67	-69	-36	47	100	106	283	222	328	192	117	328
8	264	197	208	214	122	136	206	242	61	-50	-72	-86	-11	-69	-78	-64	-44	8	111	214	117	111	161	144	85	264
9	156	183	294	250	200	183	203	97	-11	-53	-64	-64	-75	-81	-64	-64	-58	0	64	97	122	272	278	322	91	322
10	228	158	172	264	222	242	217	300	72	-36	-58	-75	-103	-86	-67	-56	-36	19	108	108	197	150	78	53	86	300
11	72	97	117	164	250	267	256	325	117	-58	-75	-83	-97	-69	-86	-72	-42	14	172	239	156	108	225	158	90	325
12	178	281	169	128	228	222	242	211	44	-56	-42	-72	-72	-61	-78	-39	-39	-3	58	17	42	92	67	53	65	281
13	106	172	136	108	111	78	122	106	-8	-28	-44	-61	-78	-75	-67	-44	-42	-6	25	89	156	236	228	269	62	269
14	239	281	192	278	263	342	294	208	33	-44	-53	-72	-47	-69	-64	-47	-42	25	192	247	172	211	286	164	125	342
15	328	239	314	219	167	156	264	331	122	-53	-58	-56	-69	-69	-50	-58	-25	14	72	172	325	261	322	275	131	331
16	336	194	192	172	172	300	292	269	139	-53	-42	-44	-56	-44	-69	-14	-14	3	253	225	169	269	219	225	129	336
17	275	250	239	264	300	258	186	131	131	-31	-50	-50	-36	-25	-36	-42	-25	0	89	97	56	36	-6	0	84	300
18	-14	15	-15	-25	-5	-5	25	44	-25	-31	-44	-41	-50	-36	-50	-61	-25	0	100	181	197	208	219	200	32	219
19	200	175	217	244	256	225	236	181	14	-39	-47	-64	-44	-56	-44	-44	-25	0	139	136	214	111	111	261	93	261
20	250	206	219	175	119	225	242	200	272	28	-36	-44	-36	-36	-44	-42	-36	-28	-28	-25	-25	-25	-19	-25	62	272
21	-19	-19	0	10	10	5	15	25	10	55	25	-31	-31	-31	-43	-35	-31	-21	0	-5	0	0	-5	25	-4	55
22	5	5	0	0	11	0	8	0	-11	-17	-22	-28	-28	-28	-28	-28	-28	-14	0	22	42	72	103	56	4	103
23	50	42	39	53	44	56	94	39	-22	-36	-39	-47	-61	-72	-56	-67	-33	0	100	100	153	189	225	194	39	225
24	150	200	150	172	178	136	131	253	225	247	-25	-47	-42	-56	-42	-39	-42	11	19	11	-17	-11	-3	0	65	253
25	33	11	17	3	42	-14	-28	-33	-47	-53	-58	-64	-61	-100	-75	-72	-44	36	36	39	122	161	133	225	8	225
26	244	208	178	219	167	258	267	289	47	-36	-61	-58	-78	-56	-67	-50	-44	47	136	172	211	228	181	203	109	289
27	183	189	222	158	194	258	211	250	131	-36	-61	-64	-61	-67	-56	-47	-31	92	194	289	150	183	194	222	113	289
28	61	136	164	197	133	206	142	72	3	-56	-61	-56	-64	-58	-53	-64	-28	67	200	183	150	150	125	206	73	206
29	161	136	181	214	133	64	64	42	-19	-36	-28	-22	-14	0	0	-22	-8	31	83	186	114	94	128	58	64	214
30	44	14	31	39	50	61	56	50	-22	-50	-50	-50	-50	-64	-44	-53	-42	28	81	114	125	111	122	192	29	192
31	78	172	136	206	256	200	167	167	81	-42	-50	-44	-50	-61	-50	-42	-31	86	267	203	147	153	242	244	101	267
AV	159	161	171	163	168	178	178	165	48	-30	-49	-59	-59	-61	-57	-50	-36	18	94	124	141	160	161	160	77	
PK	336	294	336	278	300	342	325	331	272	247	25	-22	3	0	0	0	-8	92	267	289	328	356	328	322		356

(05/14/79-RPI)

RELATIVE HUMIDITY @ 3M
PERCENT

C8-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	31	32	33	33	32	31	31	31	30	27	20	19	19	19	18	19	20	20	20	22	24	27	30	35	26	35
2	40	44	52	56	59	63	65	66	65	54	43	33	29	25	20	19	19	19	19	20	23	28	32	33	39	66
3	34	35	36	37	38	39	40	42	42	39	35	30	23	19	16	15	14	14	14	14	16	18	19	20	27	42
4	21	23	24	25	25	25	27	27	28	28	24	19	17	16	16	16	16	16	16	17	19	22	26	28	22	28
5	31	32	34	35	38	40	43	45	46	44	37	33	30	27	24	22	21	19	18	18	19	22	25	28	30	46
6	30	32	33	34	34	35	36	37	38	37	33	24	23	21	19	19	19	19	20	21	25	30	34	35	29	38
7	36	37	37	37	39	39	40	41	42	40	33	30	24	22	21	21	21	21	21	21	24	28	29	30	31	42
8	30	31	33	35	36	38	38	39	41	41	35	28	27	26	22	22	22	23	23	25	27	30	32	35	31	41
9	39	41	42	45	47	50	55	58	59	55	45	40	35	32	32	27	26	27	27	29	34	39	43	45	41	59
10	47	49	51	51	53	55	58	60	60	55	45	36	29	25	24	23	23	21	21	23	26	23	32	35	39	60
11	40	40	45	43	50	52	54	55	56	52	45	39	33	29	29	27	26	25	25	27	31	36	39	41	39	56
12	45	50	54	57	64	66	67	71	75	70	65	50	44	36	31	30	26	23	23	25	30	31	33	35	46	75
13	35	38	42	58	55	64	75	84	90	93	66	58	42	30	21	15	13	13	14	15	17	21	24	26	42	93
14	29	31	34	36	37	38	39	40	41	39	32	28	26	23	22	21	20	20	20	22	27	29	30	31	30	41
15	33	34	35	36	40	41	42	43	44	41	33	30	26	22	19	18	17	17	18	20	23	27	30	32	30	44
16	33	34	35	35	35	36	36	37	38	35	32	22	20	19	18	18	18	18	19	21	25	29	31	33	28	38
17	33	34	34	35	36	38	38	39	39	39	37	31	29	28	28	28	29	29	31	33	35	37	37	35	34	39
18	36	43	48	54	60	66	70	71	72	66	65	79	68	54	52	48	44	50	65	67	75	78	81	84	62	84
19	84	82	82	83	83	86	86	86	87	82	64	53	36	26	25	25	24	23	25	30	35	40	45	50	56	87
20	50	52	54	57	59	60	61	62	60	58	43	39	39	47	80	79	80	82	83	87	89	89	89	88	66	89
21	88	89	90	90	90	91	93	97	96	80	84	87	89	86	87	85	88	91	94	95	94	94	94	94	90	97
22	94	93	92	89	87	88	89	89	90	90	90	87	85	80	79	74	72	70	71	74	81	85	87	88	84	94
23	88	89	89	90	90	90	90	91	92	92	77	64	48	40	36	34	35	40	52	64	70	73	76	76	70	92
24	78	80	82	83	83	84	87	88	83	77	60	44	32	36	37	35	37	41	49	55	56	63	70	71	63	88
25	71	68	76	77	82	79	79	82	89	88	84	68	53	48	39	40	37	38	44	50	53	57	60	62	64	89
26	61	60	60	59	57	55	54	56	50	43	31	23	22	20	19	18	17	18	22	28	33	38	41	43	39	61
27	46	47	48	49	50	49	50	52	52	45	37	29	( )	12	12	12	14	17	23	30	34	38	40	39	36	52
28	36	35	33	35	38	40	42	41	35	29	25	22	18	17	17	17	18	21	26	29	30	33	33	35	29	42
29	37	39	41	42	42	36	37	38	34	30	27	25	23	22	21	21	22	26	31	36	37	38	41	43	33	43
30	46	51	57	62	67	71	73	74	70	64	57	51	46	45	43	41	41	42	47	54	56	58	58	73	56	74
31	84	85	88	89	92	91	93	90	68	47	42	38	32	27	27	27	27	30	39	47	53	55	57	60	58	93
AV	48	49	51	53	55	56	58	59	58	54	47	41	36	32	31	30	29	30	33	36	39	43	45	47	44	
PK	94	93	92	90	92	91	93	97	96	93	90	87	89	86	87	85	88	91	94	95	94	94	94	94		97

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	0	0	0	0	0	0	3	14	30	44	55	61	65	62	38	25	11	1	0	0	0	0	0	0	409	65
2	0	0	0	0	0	0	4	16	33	47	57	59	65	59	48	32	14	3	0	0	0	0	0	0	437	65
3	0	0	0	0	0	0	4	17	32	47	58	64	64	58	47	32	16	3	0	0	0	0	0	0	442	64
4	0	0	0	0	0	0	4	16	32	46	57	62	63	58	48	35	16	4	0	0	0	0	0	0	441	63
5	0	0	0	0	0	0	3	14	30	44	54	63	64	57	49	34	18	4	0	0	0	0	0	0	434	64
6	0	0	0	0	0	0	2	13	31	44	56	61	61	56	45	31	13	2	0	0	0	0	0	0	415	61
7	0	0	0	0	0	0	3	15	31	45	56	62	61	55	45	29	13	2	0	0	0	0	0	0	417	62
8	0	0	0	0	0	0	3	14	31	41	42	56	44	43	30	21	15	1	0	0	0	0	0	0	341	56
9	0	0	0	0	0	0	3	13	27	40	50	58	60	56	47	33	18	5	0	0	0	0	0	0	410	60
10	0	0	0	0	0	0	2	11	26	42	53	59	60	55	44	31	14	3	0	0	0	0	0	0	400	60
11	0	0	0	0	0	0	2	11	27	44	53	58	60	54	43	30	14	2	0	0	0	0	0	0	398	60
12	0	0	0	0	0	0	3	14	29	42	52	58	59	55	46	34	17	4	0	0	0	0	0	0	413	59
13	0	0	0	0	0	0	0	6	15	25	46	58	56	54	45	30	16	3	0	0	0	0	0	0	354	58
14	0	0	0	0	0	0	1	10	25	40	50	56	58	53	44	29	13	2	0	0	0	0	0	0	381	53
15	0	0	0	0	0	0	1	9	25	39	50	56	58	54	43	26	10	2	0	0	0	0	0	0	373	58
16	0	0	0	0	0	0	2	14	25	29	44	41	50	41	46	31	12	3	0	0	0	0	0	0	338	50
17	0	0	0	0	0	0	0	4	13	17	22	22	36	26	17	8	3	0	0	0	0	0	0	0	168	36
18	0	0	0	0	0	0	0	3	4	10	22	32	17	33	14	5	9	2	0	0	0	0	0	0	151	33
19	0	0	0	0	0	0	0	8	23	37	48	54	56	50	41	28	12	2	0	0	0	0	0	0	359	56
20	0	0	0	0	0	0	0	2	7	11	15	38	28	7	11	3	1	0	0	0	0	0	0	0	123	38
21	0	0	0	0	0	0	0	2	17	17	22	15	15	12	8	3	1	0	0	0	0	0	0	0	112	22
22	0	0	0	0	0	0	0	1	2	3	6	7	7	5	4	3	2	0	0	0	0	0	0	0	40	7
23	0	0	0	0	0	0	0	6	8	28	54	56	52	47	37	21	7	0	0	0	0	0	0	0	316	56
24	0	0	0	0	0	0	0	9	14	31	53	56	54	47	37	23	7	0	0	0	0	0	0	0	331	56
25	0	0	0	0	0	0	0	8	8	26	34	31	26	22	33	17	9	0	0	0	0	0	0	0	214	34
26	0	0	0	0	0	0	0	7	21	36	46	52	53	40	38	24	8	0	0	0	0	0	0	0	325	53
27	0	0	0	0	0	0	0	7	22	36	46	52	52	47	38	24	9	0	0	0	0	0	0	0	332	52
28	0	0	0	0	0	0	0	6	21	35	46	51	52	46	37	23	7	0	0	0	0	0	0	0	324	52
29	0	0	0	0	0	0	0	7	20	35	44	49	49	44	35	20	6	0	0	0	0	0	0	0	309	49
30	0	0	0	0	0	0	0	4	8	15	24	28	25	22	23	25	14	3	0	0	0	0	0	0	191	28
31	0	0	0	0	0	0	0	6	18	31	27	36	36	45	34	20	6	0	0	0	0	0	0	0	259	45
TL	0	0	0	0	0	0	40	287	655	1027	1342	1511	1506	1363	1115	730	330	51	0	0	0	0	0	0	9957	
PK	0	0	0	0	0	0	4	17	33	47	58	64	65	62	49	35	18	5	0	0	0	0	0	0		65

(05/14/79-RPI)

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	787	787	787	787	787	787	787	787	786	786	786	785	785	784	784	784	784	784	784	785	785	785	785	786	786	787
2	786	786	786	786	786	786	787	787	787	787	787	787	787	787	787	787	787	787	787	788	788	788	788	789	787	789
3	789	789	789	789	789	789	789	789	789	789	789	788	788	787	786	786	785	785	785	785	785	785	785	784	787	789
4	784	784	784	784	784	784	784	785	785	785	785	785	785	785	785	785	785	785	785	785	786	786	786	786	785	786
5	787	787	787	787	787	788	788	788	788	788	788	788	788	788	787	787	787	787	787	788	788	788	788	788	783	788
6	788	788	788	788	788	788	788	788	789	789	789	789	788	788	787	787	787	787	787	787	787	787	787	787	788	789
7	787	787	787	787	787	787	787	787	787	787	787	787	786	786	786	785	785	785	785	785	786	786	786	786	786	787
8	786	786	786	786	786	786	786	786	786	786	786	786	786	785	785	785	785	785	785	785	785	785	785	786	786	786
9	786	786	786	786	787	787	787	787	787	788	788	788	788	787	786	786	786	786	786	787	787	787	787	787	787	788
10	787	787	787	787	787	787	787	787	788	788	788	788	788	788	787	786	786	786	785	786	786	786	786	786	787	789
11	786	786	786	786	786	786	786	786	786	787	787	787	786	785	785	785	784	784	784	784	784	784	784	784	785	787
12	784	784	784	784	784	785	785	786	786	786	786	786	785	784	784	784	783	783	784	785	786	787	787	788	785	788
13	788	789	789	790	790	791	791	792	792	792	792	792	792	792	791	791	790	790	790	790	790	791	791	791	791	792
14	791	792	792	792	792	792	792	792	792	792	792	792	792	791	790	790	790	790	789	789	789	790	790	790	791	792
15	790	790	790	790	790	790	790	790	790	790	790	790	789	788	788	788	787	787	787	787	787	787	787	787	789	790
16	787	787	787	786	786	786	786	786	786	786	786	786	785	784	784	784	784	783	783	783	784	784	784	784	785	787
17	784	784	784	784	784	784	784	784	785	785	785	785	785	784	784	784	784	785	785	786	786	786	786	787	785	787
18	786	786	786	786	787	787	788	788	789	789	789	789	789	789	789	789	789	789	789	790	790	790	790	790	788	790
19	790	790	790	790	790	790	790	791	791	791	791	791	790	789	789	789	788	788	788	788	788	788	788	788	789	791
20	787	787	786	786	786	786	785	785	785	785	785	785	785	785	785	785	784	784	784	783	783	783	783	783	785	787
21	783	783	782	782	782	781	781	781	781	781	781	781	781	780	780	780	780	779	779	779	779	779	779	779	781	783
22	779	779	779	779	780	780	781	781	782	783	784	784	784	785	785	785	786	786	787	787	788	788	788	789	784	789
23	789	789	790	790	790	790	790	791	791	791	791	791	790	789	789	789	788	788	788	788	788	788	788	787	789	791
24	787	786	786	785	784	784	783	783	782	782	781	780	779	779	778	777	777	777	777	776	776	776	777	777	780	787
25	777	777	777	777	777	778	779	780	781	781	782	782	782	782	782	782	783	783	784	784	784	785	785	785	781	785
26	785	785	785	785	786	786	786	786	787	787	787	787	787	786	786	785	785	785	785	785	786	786	786	786	786	787
27	786	786	786	786	786	786	786	786	786	786	786	786	785	785	785	785	785	785	785	785	785	785	785	785	786	786
28	785	785	785	785	785	785	786	786	786	786	787	787	787	786	785	785	785	785	785	785	785	785	785	785	785	787
29	784	784	784	783	783	782	782	782	782	782	782	781	781	780	780	780	780	780	780	780	780	780	781	781	781	784
30	781	781	782	782	782	783	783	783	783	784	784	784	784	784	784	784	785	785	786	786	787	787	788	788	784	788
31	788	788	788	788	788	788	789	789	790	790	790	790	790	790	790	789	789	789	789	789	789	789	789	789	789	790
AV	786	786	786	786	786	786	786	786	787	787	787	787	786	786	786	785	785	785	785	785	786	786	786	786	786	
PK	791	792	792	792	792	792	792	792	792	792	792	792	792	792	791	791	790	790	790	790	790	791	791	791		792

(05/14/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1																				(TR)	(TR)	(TR)	(TR)	3	3	3
2	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	3																5	3
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10																									( )	
11																									( )	
12																									( )	
13																									( )	
14																									( )	
15																			(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	( )	
16	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3																	3	3
17																									( )	
18																5	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	5	5
19																									( )	
20																									( )	
21					(TR)	(TR)	5	5	3																13	5
22		(TR)	18	(TR)	3	(TR)	(TR)															(TR)	(TR)	(TR)	20	18
23	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	3	(TR)																5	3
24																				(TR)	(TR)	(TR)	(TR)	(TR)	( )	
25																									( )	
26																									( )	
27																									( )	
28																									( )	
29																				(TR)	(TR)	(TR)	(TR)	(TR)	( )	
30	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3															5	3
31																									( )	
TL	( )	( )	23	( )	5	( )	5	10	5	3	( )	( )	( )	( )	( )	5	( )	( )	( )	( )	( )	( )	( )	3	58	
PK			18		3		5	5	3	3						5								3		18

(05/14/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1																									( )	
2																									( )	
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																			(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	( )	
9	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3																	5	3
10																									( )	
11																									( )	
12																									( )	
13																									( )	
14																									( )	
15																									( )	
16	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)																		3	3
17																									( )	
18																									( )	
19																									( )	
20																									( )	
21						(TR)	3	(TR)																	3	3
22			10	(TR)																					10	10
23	(TR)	(TR)	(TR)																						( )	
24																									( )	
25																									( )	
26																									( )	
27																									( )	
28																									( )	
29																									( )	
30																									( )	
31																									( )	
TL	3	( )	10	( )	( )	3	3	3	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	20	
PK	3		10			3	3	3																		10

(05/14/79-RPI)

EVAPORATION DATA

C-b TRACT
TRAILER 023
OCTOBER 1978
OCCIDENTAL OIL SHALE, INC.

SAMPLE PERIOD	TOTAL EVAPORATION (cm)	PRECIPITATION (cm)	TOTAL WIND (km)	MAXIMUM TEMPERATURE (°C)	MINIMUM TEMPERATURE (°C)
9/29-10/3	2.20		303.0	27	3
4	.73		48.5	24	2
5- 6	.89		102.5	25	0
7- 9	.94	.05	175.5	20	2
10- 11	1.07		109.1	22	0
12- 13	1.06		134.9	21	-5
14- 16	1.07	.03	33.6	22	0
17- 18	1.21		265.4	21	2
19- 20	2.04		206.0	22	3

DISCONTINUED UNTIL NEXT SUMMER

INVERSION HEIGHT
METERS

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	280	310	270	260	250	280	270	290	220	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	130	210	220	290	390	310	258	390
2	310	390	380	310	320	290	270	240	270	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	170	260	290	280	310	310	283	380
3	250	250	250	270	280	260	240	210	90	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	150	200	250	260	240	280	232	280
4	290	300	290	280	280	290	300	310	260	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	90	180	200	270	300	300	253	310
5	280	300	280	290	250	260	270	260	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	150	170	220	240	250	260	239	300
6	260	300	330	320	300	320	350	280	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	40	140	220	250	250	240	249	350
7	320	330	310	340	360	320	320	340	260	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	260	280	300	300	300	289	360
8	300	320	330	300	310	310	300	290	230	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	150	180	190	270	290	320	262	330
9	310	350	340	310	360	340	320	290	210	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	270	250	290	290	300	320	303	360
10	290	340	410	400	350	370	360	320	160	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	70	170	200	300	330	280	240	287	410
11	250	300	320	340	350	380	320	310	210	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	320	360	350	290	300	299	330
12	220	310	360	300	360	360	400	350	150	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	170	170	180	170	200	260	253	400
13	310	330	340	360	430	400	410	370	220	60	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	210	220	220	210	230	260	279	430
14	300	320	300	310	270	260	260	180	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	290	270	300	320	300	260	277	320
15	280	290	270	250	260	300	230	230	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	90	190	230	230	220	250	240	230	300
16	270	260	270	300	280	280	290	190	110	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	180	270	290	240	260	270	239	300
17	280	290	230	250	310	300	250	260	250	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	130	230	340	340	310	270	273	340
18	240	300	230	150	160	350	370	310	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	270	370	410	390	380	350	320	330	293	410
19	330	340	370	360	330	370	340	290	260	240	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	210	330	340	390	300	260	280	303	390
20	400	340	340	320	280	290	350	340	300	150	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	30	30	30	130	180	180	231	400
21	170	140	130	130	120	200	170	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	230	260	(NV)	(NV)	(NV)	30	110	330	420	370	360	211	420
22	230	170	100	160	290	310	150	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	120	330	390	470	370	290	300	300	265	470
23	290	310	460	580	560	540	530	440	500	370	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	230	340	340	290	300	310	300	375	580
24	310	320	260	320	380	440	400	450	490	380	220	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	320	550	580	510	420	400	397	580
25	240	120	230	290	520	300	90	30	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	180	210	240	290	300	300	239	520
26	280	220	210	220	280	330	330	240	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	110	310	430	490	510	550	530	324	550
27	570	570	560	560	550	510	470	380	290	200	50	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	180	250	390	450	400	350	320	392	570
28	410	410	440	460	460	410	310	250	190	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	240	350	330	340	330	330	310	348	460
29	490	550	590	580	520	470	400	280	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	150	250	360	340	290	340	360	398	590
30	450	570	500	300	290	250	240	250	160	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	300	310	320	320	360	410	323	570
31	530	590	630	680	590	500	450	470	390	250	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	220	350	400	360	350	390	370	442	680
AV	314	330	333	332	345	342	315	291	225	( )	( )	( )	( )	( )	( )	( )	( )	178	212	273	300	304	307	307	292	
PK	570	590	630	680	590	540	530	470	500	380	220	( )	( )	230	260	( )	270	370	410	550	580	510	550	530		680

(05/14/79-RPI)

STABILITY CLASS @ 50M
0=STB 1=UNST

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
21	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
FV	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0

(05/14/79-RPI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CB-TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
6	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
18	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	0	0	0	1
22	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
FV	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0

(05/16/79-RPI)

C-B PIBAL SOUNDING

SOUNDING DATE 10- 2-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	295.1	72.2	31.2	3.9	0.0
1.0	310.0	85.1	43.2	7.6	0.0
1.5	150.0	68.8	46.0	11.7	0.0
2.0	160.8	60.6	50.9	15.8	0.0
2.5	166.5	55.8	54.6	20.1	0.0
3.0	170.2	52.8	59.3	25.7	0.0
3.5	173.5	51.4	62.2	29.7	0.0
4.0	176.1	51.5	65.8	34.9	0.0
4.5	178.7	51.2	69.1	39.5	0.0
5.0	181.0	50.5	73.1	43.5	0.0
5.5	182.0	50.4	79.2	47.9	0.0
6.0	181.4	48.4	88.0	50.3	0.0
6.5	180.4	45.8	99.4	51.2	0.0
7.0	176.0	42.9	109.3	48.5	0.0
7.5	170.9	40.7	113.9	45.8	0.0
8.0	166.2	39.6	116.6	42.9	0.0
8.5	160.9	37.5	118.0	39.4	0.0
9.0	154.0	36.6	117.8	37.3	0.0
9.5	148.0	35.7	115.6	35.0	0.0
10.0	140.0	33.8	112.4	33.0	0.0
10.5	135.0	32.9	109.1	31.3	0.0
11.0	129.5	32.0	106.3	30.2	0.0
11.5	124.8	31.4	103.5	29.3	0.0
12.0	121.2	30.9	101.8	28.7	0.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	796.9	4.6
2	113.8	4.8
3	71.4	5.1
4	19.4	5.4
5	9.0	5.7
6	4.1	6.1
7	25.9	6.4
8	24.2	6.8
9	37.5	7.2
10	31.0	7.6
11	4.7	8.2
12	24.1	8.8
13	69.9	9.7
14	107.0	10.8
15	30.7	11.9
16	96.0	13.1

16	98.0	13.1
17	102.9	14.5
18	54.7	16.9
19	85.8	18.4
20	136.8	20.9
21	133.1	21.8
22	219.3	23.7
23	257.9	25.1
24	282.8	27.0

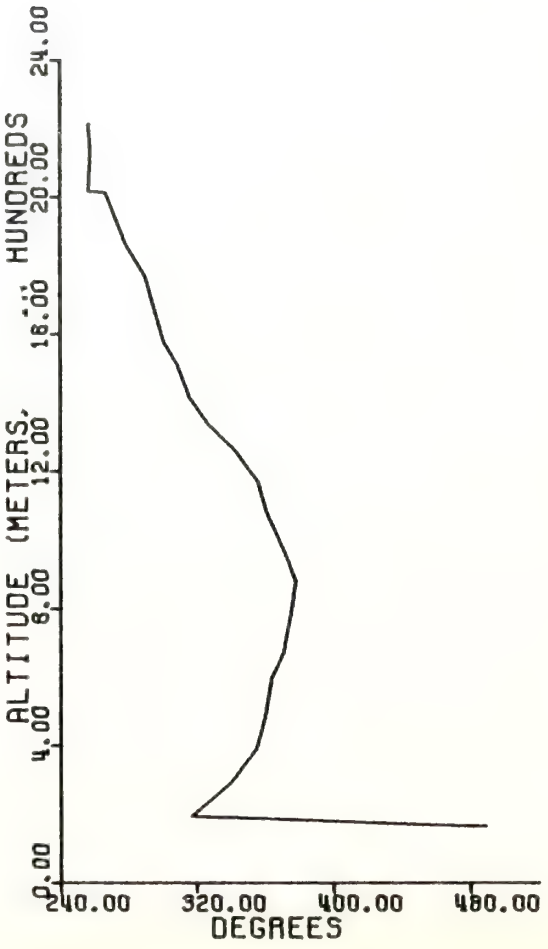
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
544.	129.	0.7	0.0
640.	317.	10.0	0.0
961.	340.	12.8	0.0
1290.	355.	12.3	0.0
1584.	360.	13.0	0.0
1964.	4.	11.6	0.0
2211.	11.	9.7	0.0
2578.	15.	9.7	0.0
2887.	18.	9.7	0.0
3154.	12.	10.9	0.0
3554.	1.	14.0	0.0
3844.	356.	18.8	0.0
4136.	343.	23.9	0.0
4397.	327.	26.1	0.0
4651.	316.	26.0	0.0
4961.	309.	29.4	0.0
5181.	301.	38.5	0.0
5810.	290.	40.6	0.0
6108.	279.	47.3	0.0
6608.	267.	43.4	0.0
6622.	257.	37.9	0.0
6994.	258.	41.1	0.0
7255.	257.	38.5	0.0

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
166.	129.	0.2	0.0
195.	317.	3.0	0.0
293.	340.	3.9	0.0
393.	355.	3.7	0.0
483.	360.	4.0	0.0
599.	4.	3.5	0.0
674.	11.	3.0	0.0
786.	15.	3.0	0.0
880.	18.	3.0	0.0
961.	12.	3.3	0.0
1083.	1.	4.3	0.0
1172.	356.	5.7	0.0
1261.	343.	7.3	0.0
1340.	327.	8.0	0.0
1418.	316.	7.9	0.0
1512.	309.	9.0	0.0
1579.	301.	11.7	0.0
1771.	290.	12.4	0.0
1862.	279.	14.4	0.0
2014.	267.	13.2	0.0
2018.	257.	11.6	0.0
2132.	258.	12.5	0.0
2211.	257.	11.7	0.0

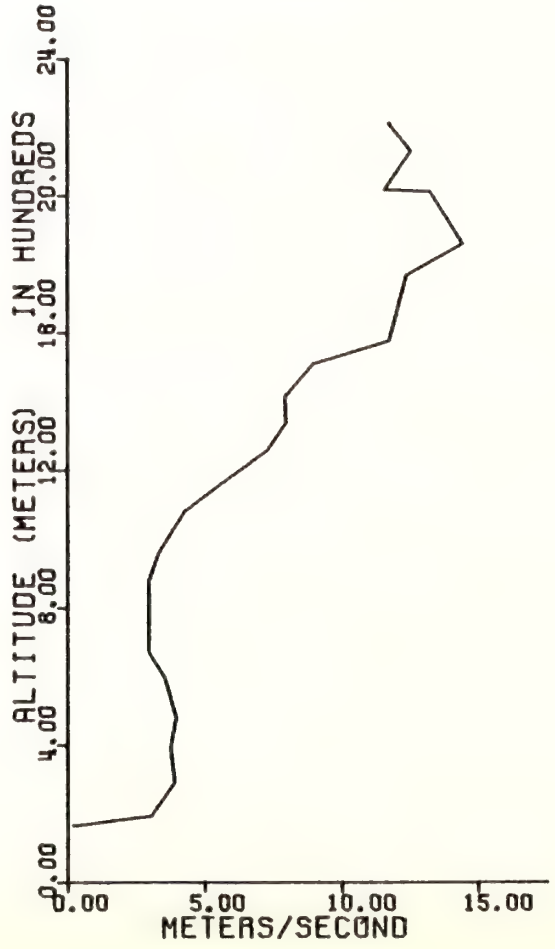
C-B PIBAL SOUNDING

TIME 715 DATE 10/2/78

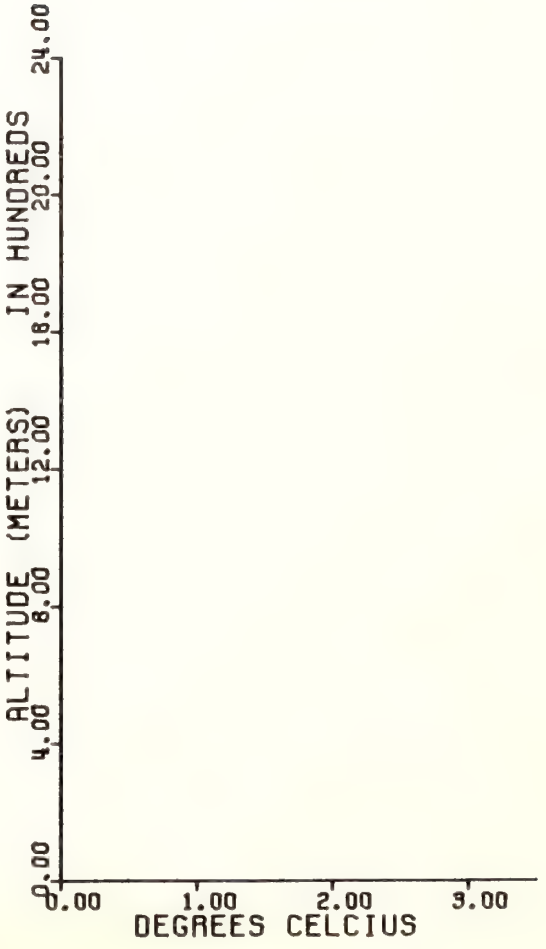
WIND DIRECTION



WIND SPEED



TEMPERATURE

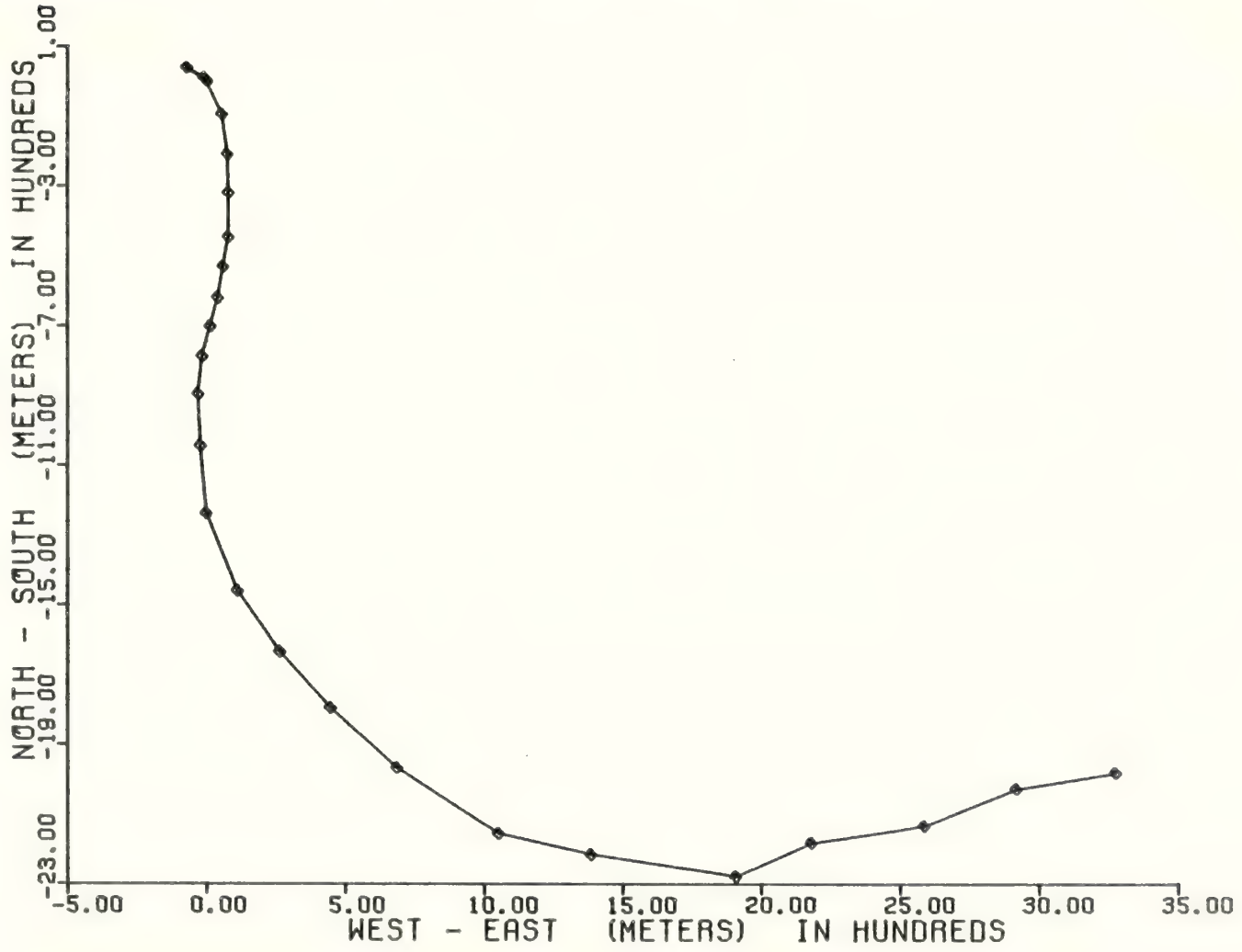


C-B PIBAL SOUNDING

TIME 715 DATE 10/2/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-b PIBAL SOUNDING

DATE: 10/2/78 TIME: 1330

Data not reduced site #2 lost balloon.

C-B PIBAL SOUNDING

SOUNDING DATE 10- 3-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
PASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	283.1	35.0	38.0	3.4	10.0
1.0	302.2	60.0	38.3	6.3	13.5
1.5	332.1	64.0	38.7	9.2	14.1
2.0	342.7	67.5	38.1	12.0	14.7
2.5	335.1	71.6	38.0	14.5	15.3
3.0	304.7	76.6	38.3	18.2	16.6
3.5	269.5	77.4	39.0	22.0	17.2
4.0	249.7	75.3	39.0	26.1	17.9
4.5	245.3	70.1	37.7	29.9	18.6
5.0	239.1	66.6	37.5	34.1	18.1
5.5	233.3	62.7	37.5	40.5	16.5
6.0	228.3	60.7	39.8	45.6	14.8
6.5	215.7	58.7	48.7	51.4	13.2
7.0	204.5	55.4	61.3	55.6	11.6
7.5	196.6	52.8	76.7	58.0	11.8
8.0	188.5	48.7	92.0	57.1	12.1
8.5	180.6	46.9	104.5	53.1	11.7
9.0	175.0	43.7	110.0	50.1	11.3
9.5	168.7	41.5	114.0	46.2	10.9
10.0	167.0	41.6	116.2	43.3	10.5
10.5	160.2	42.7	118.5	40.2	10.2
11.0	150.2	42.3	120.0	37.2	9.8
11.5	141.5	41.8	120.9	35.7	9.4
12.0	135.4	41.2	122.6	33.6	9.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	6.9	4.5
2	39.6	4.7
3	39.9	5.1
4	0.3	5.5
5	7.0	5.7
6	22.1	5.8
7	23.7	5.9
8	8.9	6.1
9	10.9	6.2
10	11.9	6.4
11	14.4	6.7
12	33.5	6.9
13	48.1	7.4
14	25.2	7.8
15	72.0	8.5

16	1.0	9.2
17	141.4	10.4
18	1.3	11.2
19	15.2	12.5
20	323.0	13.1
21	763.8	15.4
22	1160.5	19.9
23	1634.3	26.5
24	2724.1	31.2

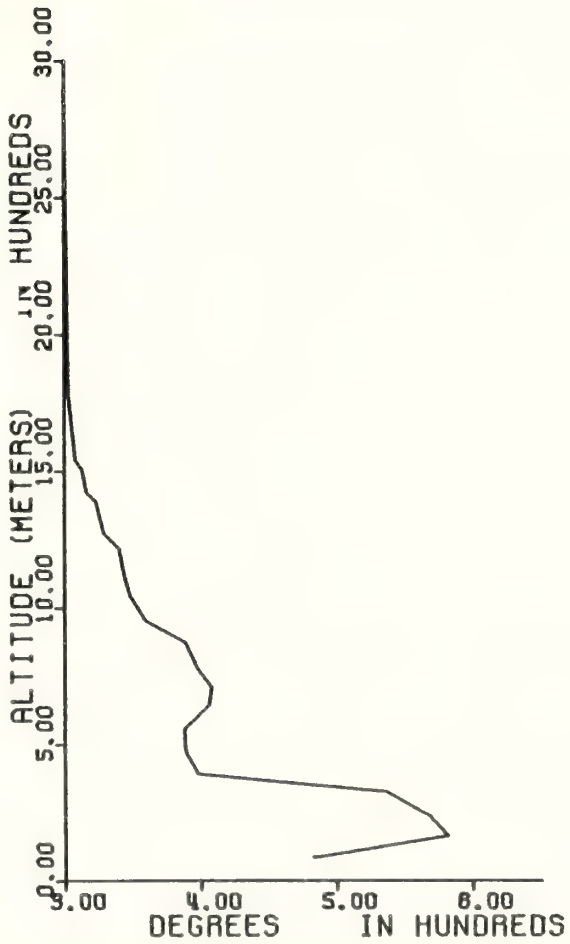
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
287.	123.	5.4	10.0
551.	222.	5.5	13.5
795.	208.	4.8	14.1
1080.	177.	0.9	14.7
1296.	38.	4.6	15.3
1571.	29.	7.6	16.6
1837.	28.	7.6	17.2
2123.	46.	8.3	17.9
2332.	48.	9.5	18.6
2554.	38.	11.4	18.1
2877.	29.	11.8	16.5
3131.	0.	13.9	14.8
3443.	348.	19.6	13.2
3687.	344.	21.4	11.6
4005.	340.	23.4	11.8
4186.	329.	27.3	12.1
4564.	323.	26.3	11.7
4681.	316.	26.1	11.3
4948.	313.	22.0	10.9
5067.	308.	27.5	10.5
5847.	303.	59.2	10.2
7270.	302.	93.0	9.8
9480.	300.	96.2	9.4

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
88.	123.	1.6	10.0
168.	222.	1.7	13.5
242.	208.	1.5	14.1
329.	177.	0.3	14.7
395.	38.	1.4	15.3
479.	29.	2.3	16.6
560.	28.	2.3	17.2
647.	46.	2.5	17.9
711.	48.	2.9	18.6
778.	38.	3.5	18.1
877.	29.	3.6	16.5
954.	0.	4.2	14.8
1049.	348.	6.0	13.2
1124.	344.	6.5	11.6
1221.	340.	7.1	11.8
1276.	329.	8.3	12.1
1391.	323.	8.0	11.7
1427.	316.	8.0	11.3
1508.	313.	6.7	10.9
1544.	308.	8.4	10.5
1782.	303.	18.0	10.2
2216.	302.	28.3	9.8
2889.	300.	29.3	9.4

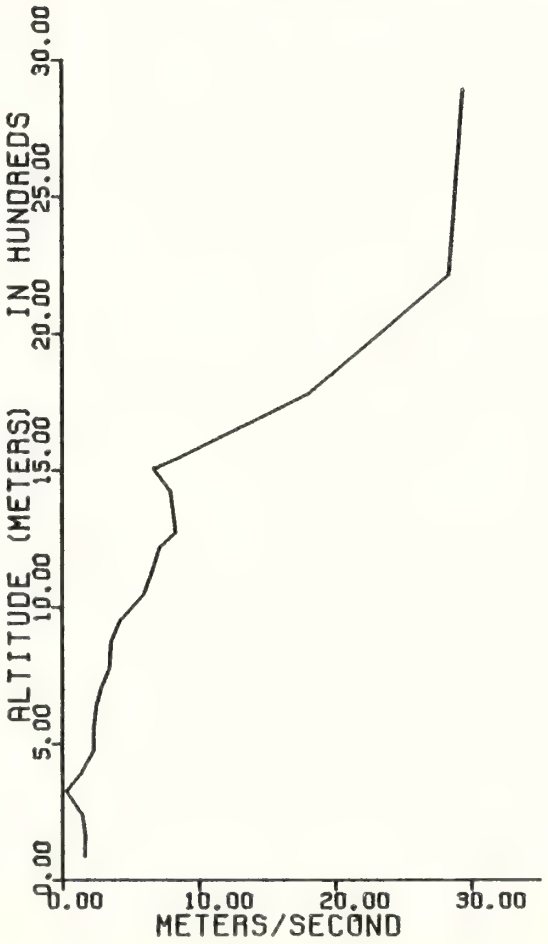
C-B PIBAL SOUNDING

TIME 715 DATE 10/3/78

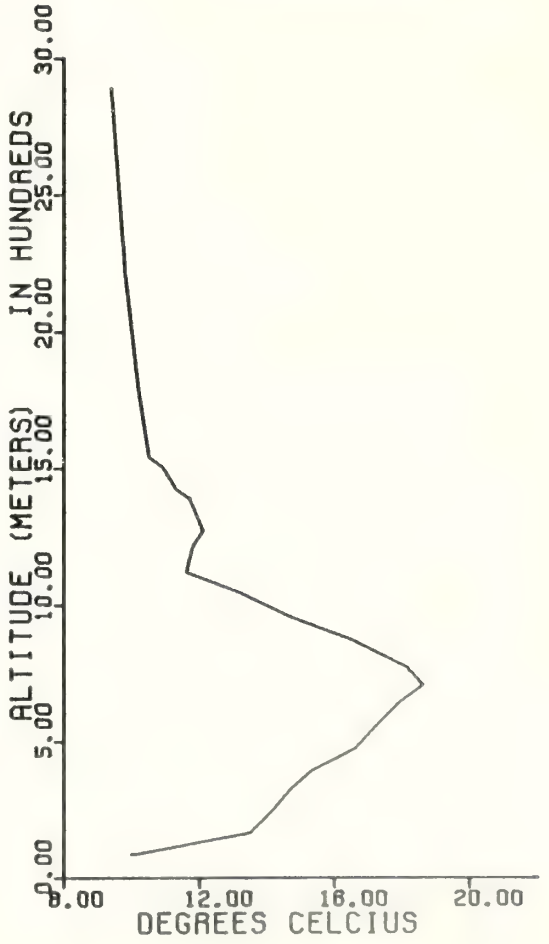
WIND DIRECTION



WIND SPEED



TEMPERATURE

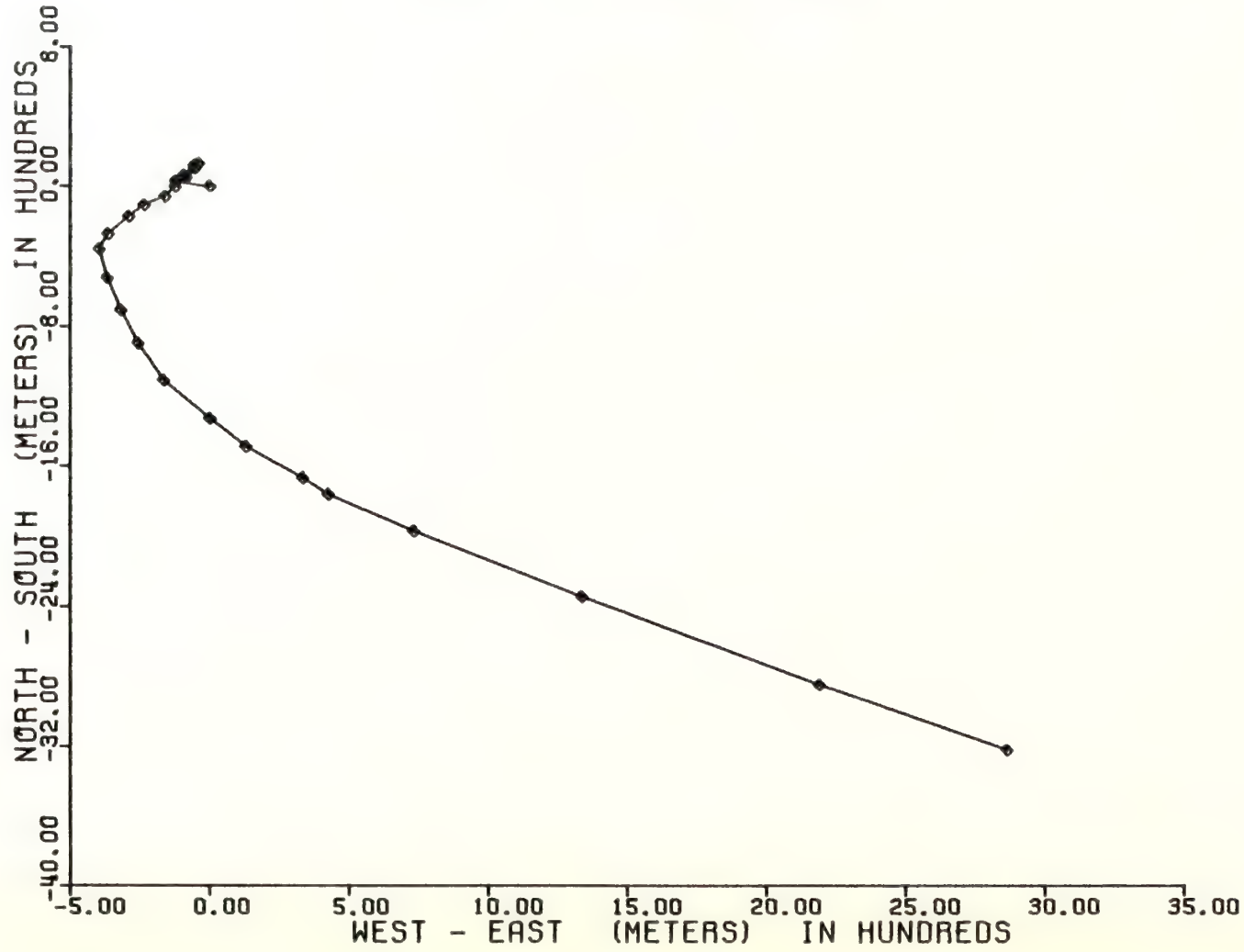


C-B PIBAL SOUNDING

TIME 715 DATE 10/3/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10- 3-78

BALLOON RELEASED 1315 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	73.1	26.0	45.6	2.4	18.0
1.0	76.1	16.2	48.1	3.1	16.2
1.5	75.4	16.0	49.7	4.0	15.6
2.0	74.3	17.7	50.8	5.3	15.1
2.5	72.5	18.7	51.8	7.0	14.5
3.0	75.1	21.1	54.0	8.4	14.0
3.5	81.1	19.6	57.7	9.0	13.7
4.0	88.0	19.1	61.7	9.7	13.5
4.5	92.4	18.8	65.0	10.5	13.3
5.0	93.8	18.7	67.1	11.0	13.1
5.5	96.0	18.9	69.3	11.6	12.9
6.0	100.5	19.2	72.4	12.4	12.6
6.5	103.3	19.2	75.1	13.0	12.4
7.0	104.8	19.3	77.1	13.5	12.2
7.5	105.6	18.9	78.8	13.8	12.0
8.0	106.3	18.5	80.5	13.9	11.8
8.5	107.1	17.7	82.0	13.9	11.4
9.0	107.4	17.4	83.6	14.0	10.9
9.5	107.1	17.3	84.5	14.2	10.5
10.0	107.1	17.6	85.4	14.4	10.0
10.5	107.0	17.7	86.3	14.8	9.5
11.0	106.6	17.8	86.9	15.1	9.0
11.5	106.4	17.9	87.5	15.4	8.6
12.0	106.3	18.0	88.2	15.6	8.1

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	31.8	5.1
2	21.8	5.9
3	27.2	6.6
4	36.0	7.2
5	83.2	8.2
6	35.2	8.9
7	64.7	9.7
8	86.2	10.3
9	117.8	10.9
10	114.0	11.6
11	112.7	12.2
12	129.5	12.5
13	139.5	13.1
14	139.9	13.8
15	171.1	14.5

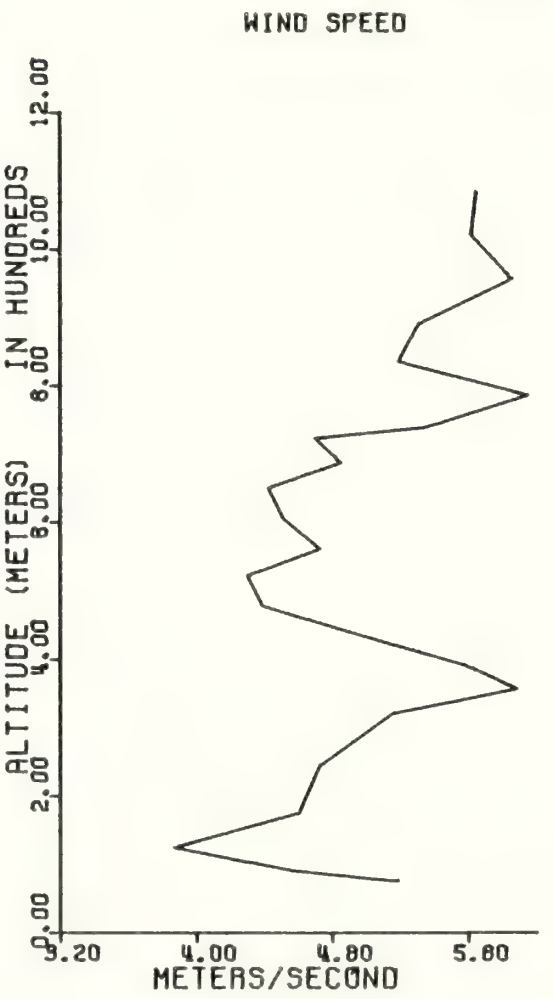
16	174.4	15.3
17	228.4	15.9
18	231.4	17.0
19	247.4	18.0
20	204.8	18.8
21	234.3	19.9
22	251.9	20.9
23	274.3	21.9
24	270.9	22.9

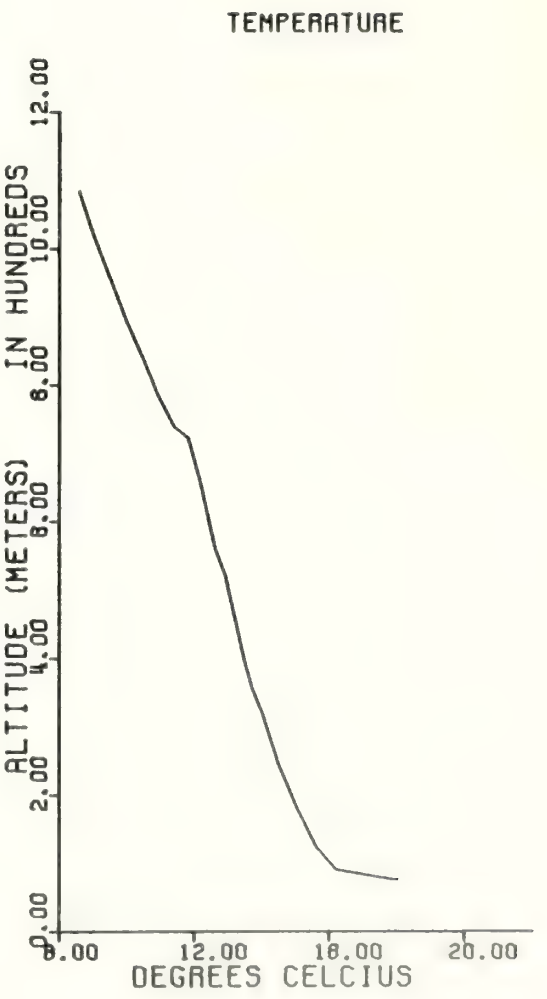
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
249.	256.	17.0	18.0
299.	256.	15.0	16.2
411.	251.	12.7	15.6
577.	247.	15.1	15.1
804.	256.	15.5	14.5
1056.	282.	16.9	14.0
1174.	300.	19.3	13.7
1287.	308.	18.3	13.5
1428.	296.	16.3	13.3
1573.	294.	14.4	13.1
1717.	320.	14.1	12.9
1846.	326.	15.5	12.6
1988.	311.	14.8	12.4
2137.	301.	14.5	12.2
2259.	296.	15.9	12.0
2374.	298.	15.4	11.8
2427.	295.	17.5	11.4
2583.	288.	19.5	10.9
2746.	285.	17.0	10.5
2926.	287.	17.4	10.0
3141.	283.	19.2	9.5
3353.	282.	18.4	9.0
3553.	284.	18.5	8.6

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
76.	256.	5.2	18.0
91.	256.	4.6	16.2
125.	251.	3.9	15.6
176.	247.	4.6	15.1
245.	256.	4.7	14.5
322.	282.	5.2	14.0
358.	300.	5.9	13.7
392.	308.	5.6	13.5
435.	296.	5.0	13.3
480.	294.	4.4	13.1
523.	320.	4.3	12.9
563.	326.	4.7	12.6
606.	311.	4.5	12.4
651.	301.	4.4	12.2
688.	296.	4.8	12.0
724.	298.	4.7	11.8
740.	295.	5.3	11.4
787.	288.	5.9	10.9
837.	285.	5.2	10.5
892.	287.	5.3	10.0
957.	283.	5.9	9.5
1022.	282.	5.6	9.0
1083.	284.	5.6	8.6

C-B PIBAL SOUNDING

TIME 1315 DATE 10/3/78



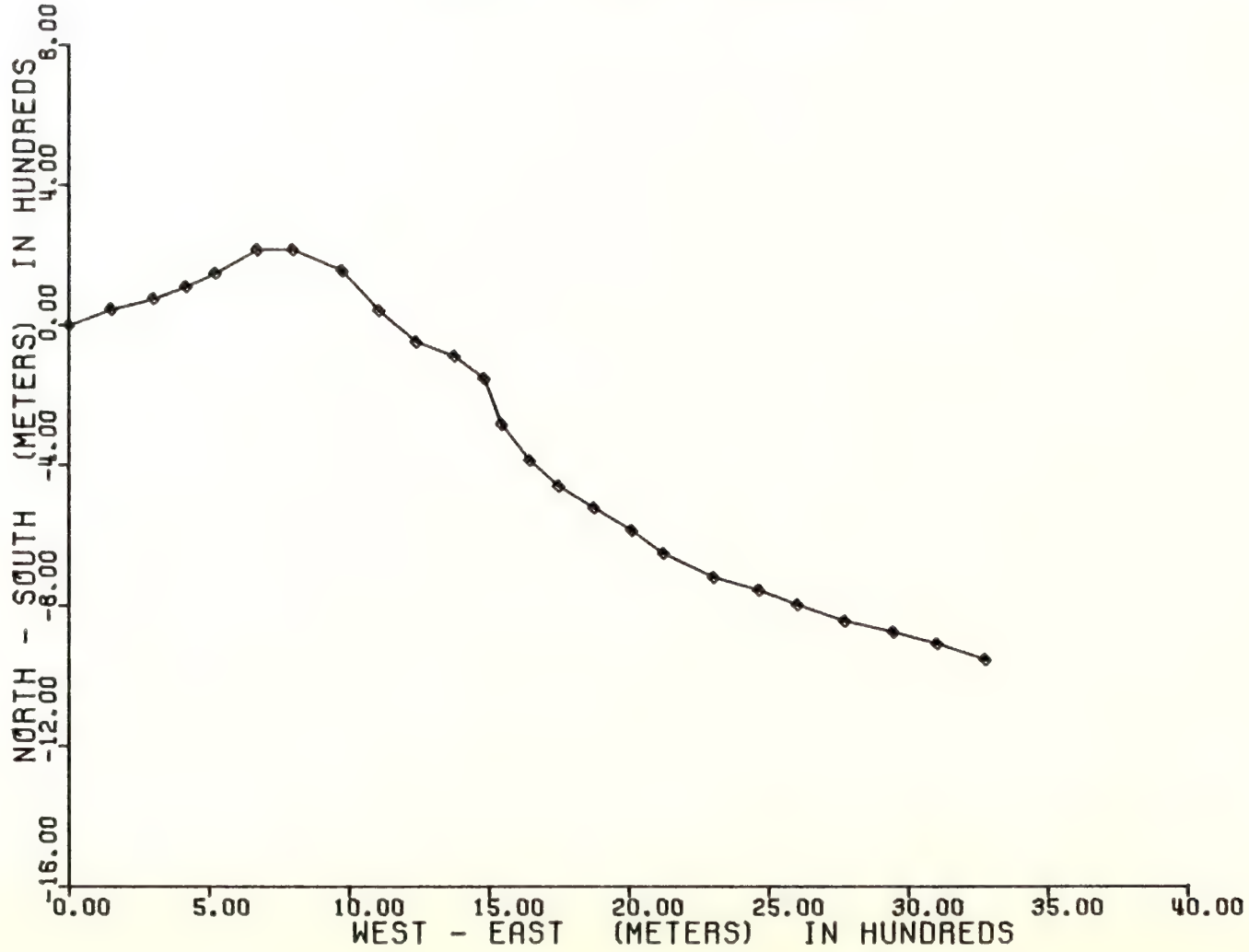


C-B PIBAL SOUNDING

TIME 1315 DATE 10/3/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10- 5-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	313.0	65.0	41.3	2.8	4.7
1.0	331.1	75.1	41.2	5.3	5.1
1.5	95.1	67.0	43.1	7.5	5.4
2.0	88.2	78.2	44.9	10.0	5.8
2.5	149.7	68.8	47.5	12.6	6.0
3.0	163.6	58.6	51.4	16.0	6.2
3.5	167.9	53.8	55.1	19.5	6.4
4.0	171.7	49.6	58.1	22.7	6.5
4.5	174.2	49.0	60.9	26.5	6.5
5.0	181.1	46.7	64.7	31.1	6.6
5.5	185.2	44.0	70.0	36.2	6.7
6.0	188.1	42.2	76.7	41.7	6.7
6.5	190.0	40.0	86.1	46.4	6.7
7.0	190.1	38.5	98.6	50.0	6.6
7.5	189.9	36.2	111.7	51.2	6.6
8.0	188.1	34.4	123.6	49.5	6.5
8.5	186.0	33.4	129.9	47.3	6.4
9.0	184.3	33.7	132.6	46.6	6.4
9.5	182.4	34.7	132.0	47.2	6.3
10.0	180.0	36.5	128.1	47.4	6.2
10.5	174.6	38.8	122.3	46.5	6.2
11.0	167.1	40.1	115.0	44.5	6.1
11.5	157.3	41.0	108.4	41.1	6.0
12.0	146.7	40.7	103.6	38.2	6.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	11.5	4.4
2	5.3	4.7
3	161.9	4.9
4	74.6	5.2
5	16.3	5.2
6	15.4	5.4
7	21.1	5.6
8	27.9	5.8
9	30.3	6.0
10	1.5	6.2
11	2.5	6.5
12	13.0	6.8
13	34.6	7.3
14	54.5	8.0
15	36.7	8.7

16	46.2	9.6
17	49.9	10.5
18	49.0	11.3
19	18.9	11.8
20	7.3	11.9
21	33.6	12.4
22	30.2	12.7
23	1.6	13.4
24	57.7	14.7

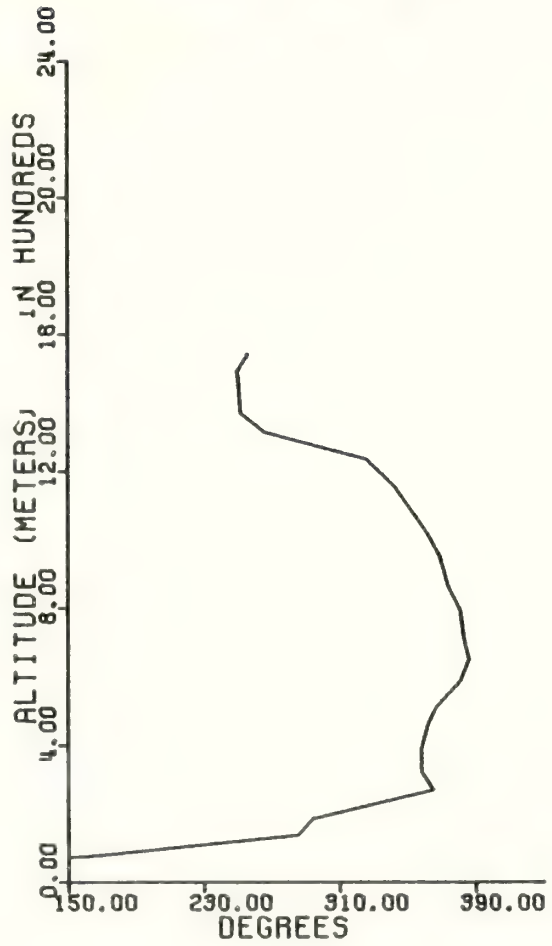
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
238.	152.	2.0	4.7
456.	285.	5.6	5.1
614.	294.	4.6	5.4
888.	5.	5.8	5.8
1063.	358.	12.6	6.0
1290.	358.	12.3	6.2
1524.	2.	10.9	6.4
1691.	7.	9.5	6.5
1936.	21.	10.9	6.5
2149.	26.	14.5	6.6
2365.	23.	15.3	6.7
2617.	21.	16.3	6.7
2836.	14.	18.1	6.7
3135.	9.	19.8	6.6
3337.	2.	21.6	6.6
3579.	352.	20.9	6.5
3791.	343.	15.8	6.4
4063.	326.	9.4	6.4
4324.	266.	7.5	6.3
4501.	252.	14.7	6.2
4788.	251.	22.6	6.2
4907.	250.	29.6	6.1
5058.	256.	35.8	6.0

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
73.	152.	0.6	4.7
139.	285.	1.7	5.1
187.	294.	1.4	5.4
271.	5.	1.8	5.8
324.	358.	3.8	6.0
393.	358.	3.7	6.2
464.	2.	3.3	6.4
515.	7.	2.9	6.5
590.	21.	3.3	6.5
655.	26.	4.4	6.6
721.	23.	4.7	6.7
798.	21.	5.0	6.7
864.	14.	5.5	6.7
956.	9.	6.0	6.6
1017.	2.	6.6	6.6
1091.	352.	6.4	6.5
1156.	343.	4.8	6.4
1238.	326.	2.9	6.4
1318.	266.	2.3	6.3
1372.	252.	4.5	6.2
1459.	251.	6.9	6.2
1496.	250.	9.0	6.1
1542.	256.	10.9	6.0

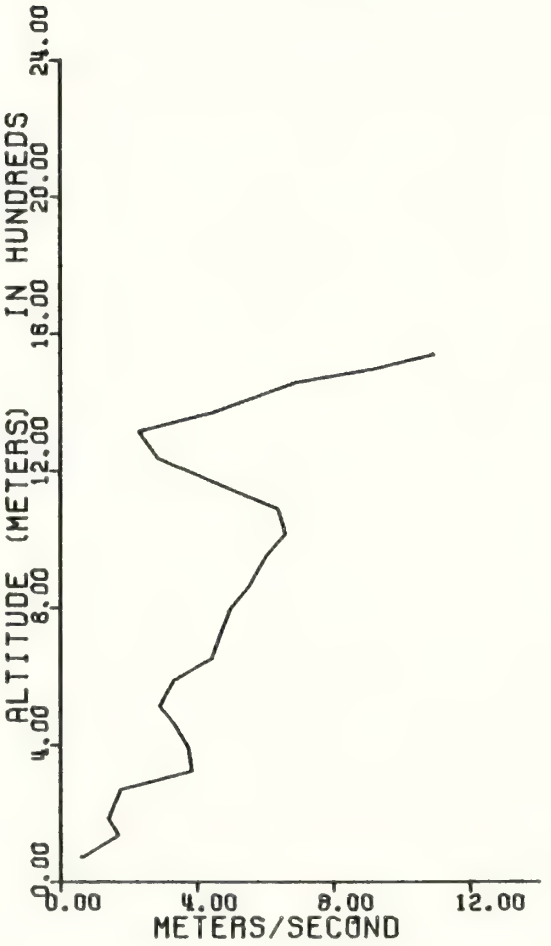
C-B PIBAL SOUNDING

TIME 715 DATE 10/5/78

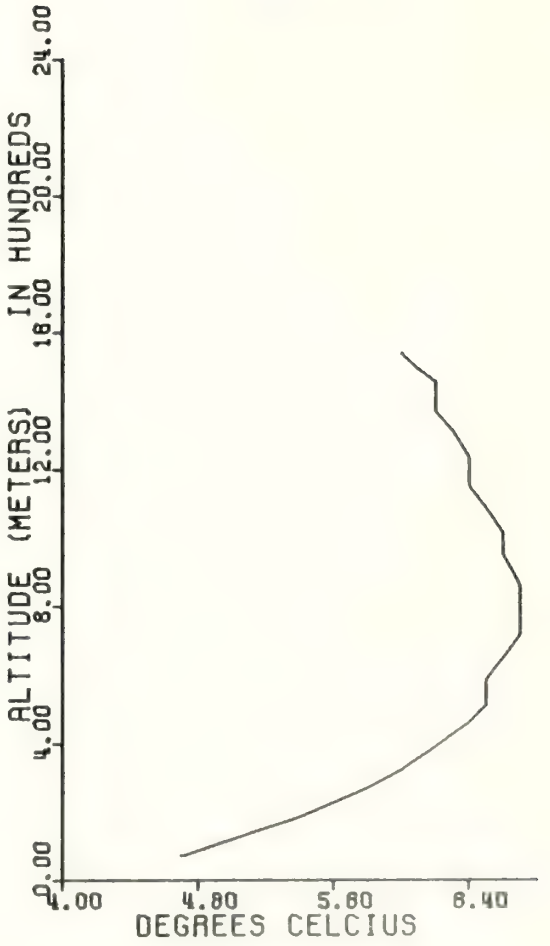
WIND DIRECTION



WIND SPEED



TEMPERATURE

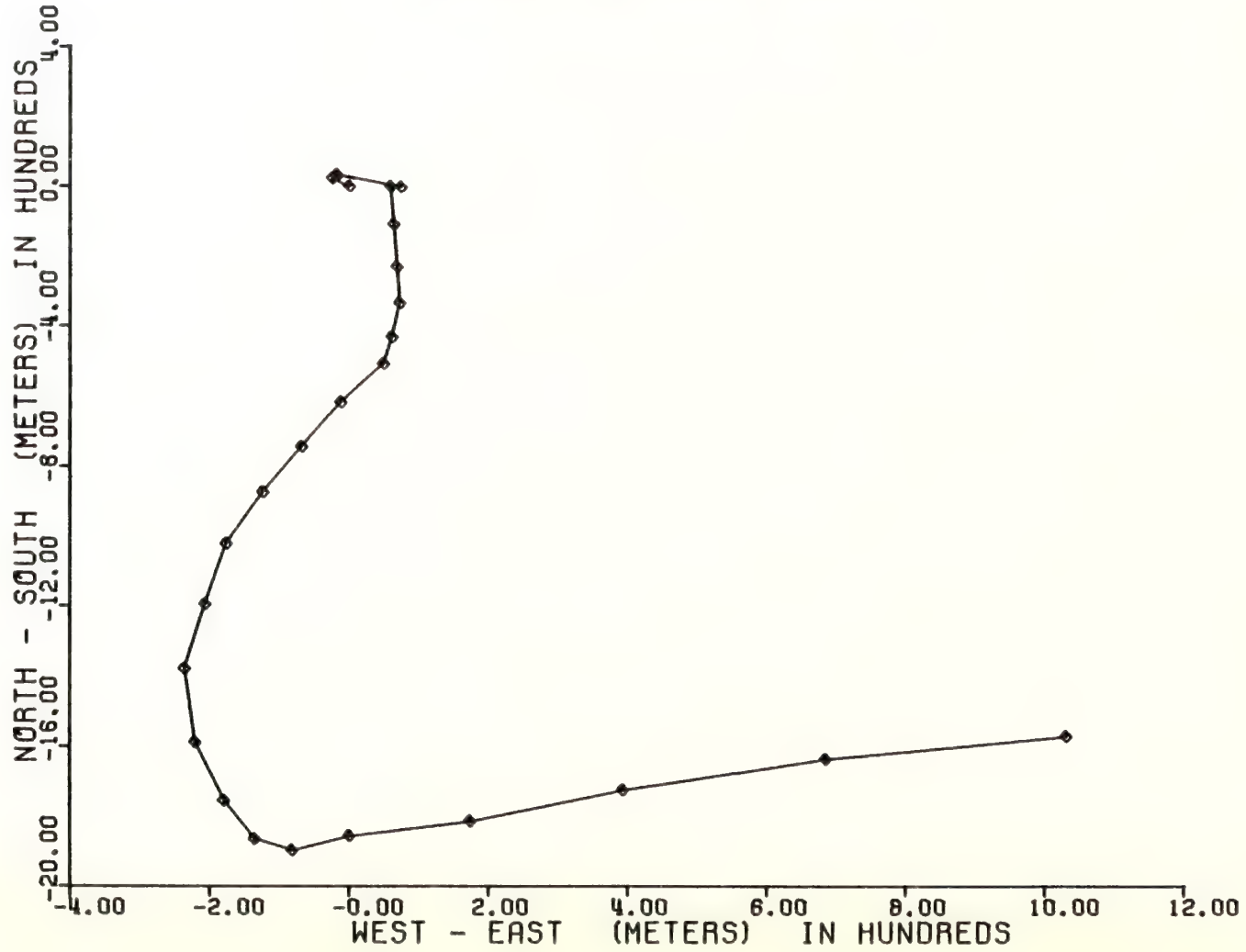


C-B PIBAL SOUNDING

TIME 715 DATE 10/5/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-b PIBAL SOUNDING

DATE: 10/5/78 TIME: 1315

Data not reduced site #2 lost balloon.

C-B PIBAL SOUNDING

SOUNDING DATE 10- 6-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	294.0	34.0	38.1	2.9	1.8
1.0	292.0	33.0	34.0	5.2	5.1
1.5	291.2	41.4	33.2	7.7	8.0
2.0	289.2	47.5	33.1	11.0	9.0
2.5	285.1	54.7	34.0	13.3	9.7
3.0	280.2	61.7	35.0	15.8	10.3
3.5	281.3	66.1	35.1	18.4	9.9
4.0	276.8	67.3	34.5	20.8	9.6
4.5	270.1	66.9	33.7	24.3	9.3
5.0	268.0	65.7	34.8	27.3	9.0
5.5	242.8	66.9	37.3	31.0	8.7
6.0	230.0	65.9	40.2	34.3	8.4
6.5	221.2	64.5	43.1	38.1	8.1
7.0	215.2	62.6	45.4	41.5	7.8
7.5	210.0	61.4	49.1	44.8	7.4
8.0	206.5	62.3	51.1	46.9	7.1
8.5	204.6	64.6	51.4	48.0	6.7
9.0	203.0	68.0	50.3	47.6	6.4
9.5	201.2	72.5	48.8	47.0	6.0
10.0	198.2	74.7	48.6	46.6	5.7
10.5	177.7	78.5	50.8	46.1	5.3
11.0	155.1	78.7	53.1	45.2	5.0
11.5	134.0	76.6	55.7	44.2	4.5
12.0	122.5	72.5	59.1	43.1	4.1

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	8.4	4.5
2	36.9	4.8
3	53.2	4.9
4	6.1	5.1
5	7.3	5.2
6	3.8	5.3
7	8.5	5.6
8	39.9	5.7
9	41.7	6.0
10	130.4	6.1
11	5.4	6.2
12	0.6	6.3
13	6.9	6.5
14	25.8	6.7
15	8.0	7.0

16	17.0	7.3
17	24.7	7.7
18	41.6	7.9
19	48.6	8.3
20	49.4	8.5
21	20.4	9.2
22	9.5	9.7
23	17.3	10.3
24	27.1	10.9

HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
252.	113.	11.8	1.8
453.	109.	6.5	5.1
660.	91.	1.9	8.0
888.	13.	1.4	9.0
1070.	328.	2.8	9.7
1276.	312.	1.6	10.3
1506.	51.	0.8	9.9
1700.	56.	3.7	9.6
1954.	53.	4.4	9.3
2133.	5.	7.8	9.0
2342.	355.	11.1	8.7
2524.	357.	8.9	8.4
2748.	2.	8.5	8.1
2929.	360.	8.2	7.8
3140.	346.	5.9	7.4
3364.	294.	2.6	7.1
3586.	223.	4.6	6.7
3741.	212.	7.8	6.4
3940.	215.	7.0	6.0
4042.	242.	9.3	5.7
4387.	254.	12.9	5.3
4569.	262.	13.2	5.0
4775.	271.	15.5	4.5

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
77.	113.	3.6	1.8
138.	109.	2.0	5.1
201.	91.	0.6	8.0
271.	13.	0.4	9.0
326.	328.	0.9	9.7
389.	312.	0.5	10.3
459.	51.	0.2	9.9
518.	56.	1.1	9.6
596.	53.	1.3	9.3
650.	5.	2.4	9.0
714.	355.	3.4	8.7
769.	357.	2.7	8.4
838.	2.	2.6	8.1
893.	360.	2.5	7.8
957.	346.	1.8	7.4
1025.	294.	0.8	7.1
1093.	223.	1.4	6.7
1140.	212.	2.4	6.4
1201.	215.	2.1	6.0
1232.	242.	2.8	5.7
1337.	254.	3.9	5.3
1393.	262.	4.0	5.0
1455.	271.	4.7	4.5

C-B PIBAL SOUNDING

TIME 715 DATE 10/6/78

WIND DIRECTION

ALTITUDE (METERS) IN HUNDREDS

0.00 4.00 8.00 12.00 16.00 20.00 24.00

210.00 290.00 370.00 450.00

DEGREES

WIND SPEED

ALTITUDE (METERS) IN HUNDREDS

0.00 4.00 8.00 12.00 16.00 20.00 24.00

0.00 2.00 4.00 8.00

METERS/SECOND

TEMPERATURE

ALTITUDE (METERS) IN HUNDREDS

0.00 4.00 8.00 12.00 16.00 20.00 24.00

0.00 4.00 8.00 12.00

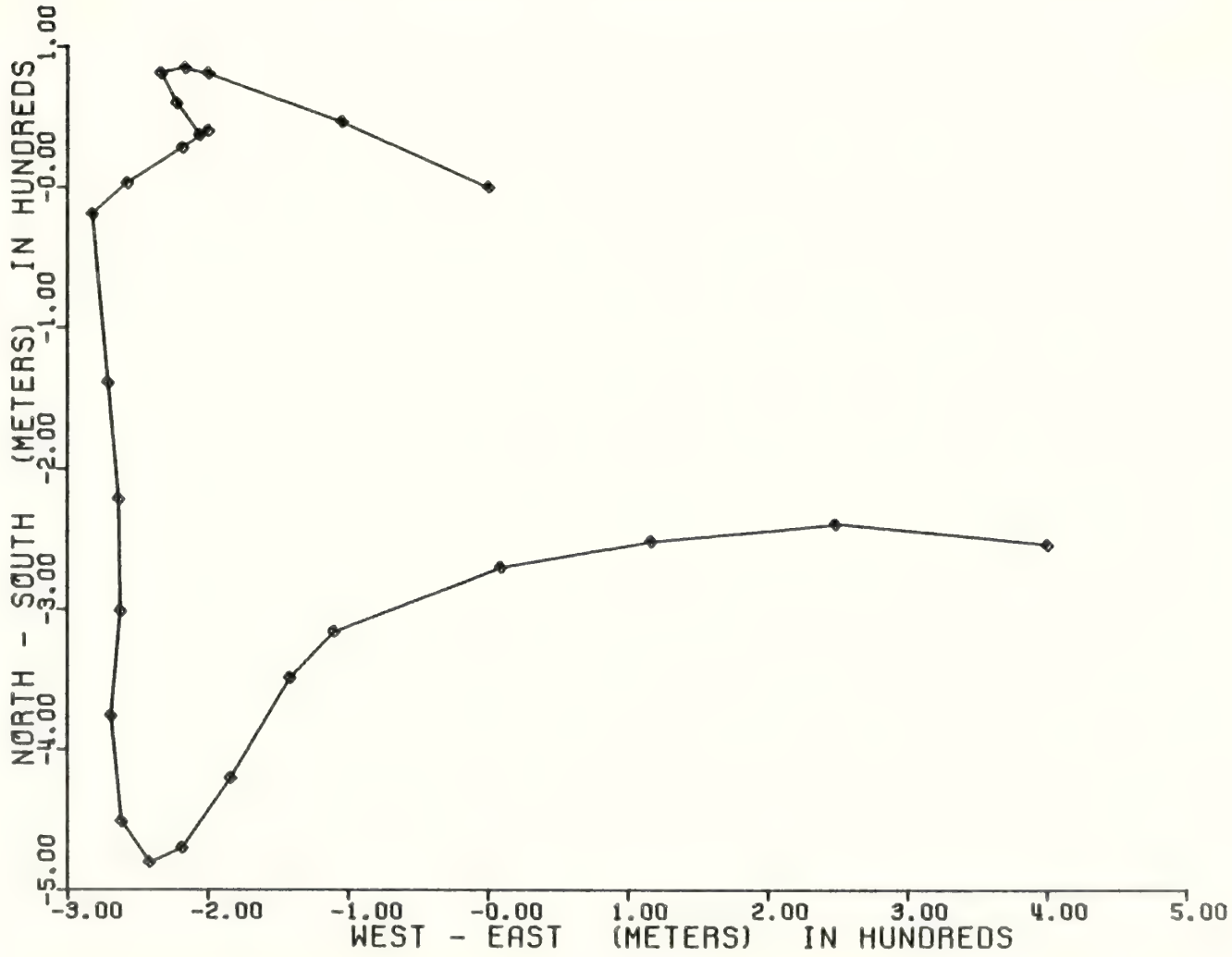
DEGREES CELCIUS

C-B PIBAL SOUNDING

TIME 715 DATE 10/6/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-6 PIBAL SOUNDING

SUSPECT DATA

SOUNDING DATE 10- 6-78

BALLOON RELEASED 1315 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	114.0	35.0	47.6	3.9	23.7
1.0	119.1	38.4	52.5	7.8	23.2
1.5	117.1	40.4	55.6	11.6	22.7
2.0	117.8	37.8	59.6	13.4	22.2
2.5	114.1	36.8	62.6	14.9	21.7
3.0	110.1	31.9	64.5	14.4	21.4
3.5	107.4	29.5	66.8	14.8	21.1
4.0	104.4	25.3	68.8	14.9	20.8
4.5	102.2	26.9	69.1	15.1	20.5
5.0	100.0	25.9	70.0	15.3	20.2
5.5	98.0	23.6	70.5	15.0	19.9
6.0	96.0	23.1	70.1	14.9	19.7
6.5	94.7	22.9	70.0	14.3	19.4
7.0	92.5	20.8	69.6	13.7	19.1
7.5	90.5	19.7	69.2	13.2	18.9
8.0	89.5	19.5	68.9	13.2	18.8
8.5	88.2	19.5	68.4	13.4	18.7
9.0	87.4	19.8	68.4	13.8	18.5
9.5	87.2	19.7	68.7	13.9	18.4
10.0	86.8	19.8	69.0	14.1	18.3
10.5	86.5	19.7	69.6	14.8	18.2
11.0	85.9	19.6	70.5	15.3	18.1
11.5	85.4	19.5	71.9	15.5	18.0
12.0	85.0	19.4	72.1	15.8	17.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	16.6	4.9
2	11.6	5.5
3	26.5	6.1
4	16.6	6.8
5	16.0	7.5
6	30.2	8.2
7	47.2	9.1
8	192.6	10.3
9	51.0	10.8
10	61.4	11.7
11	152.9	12.6
12	167.0	13.0
13	71.9	13.3
14	160.4	14.0
15	169.2	14.6

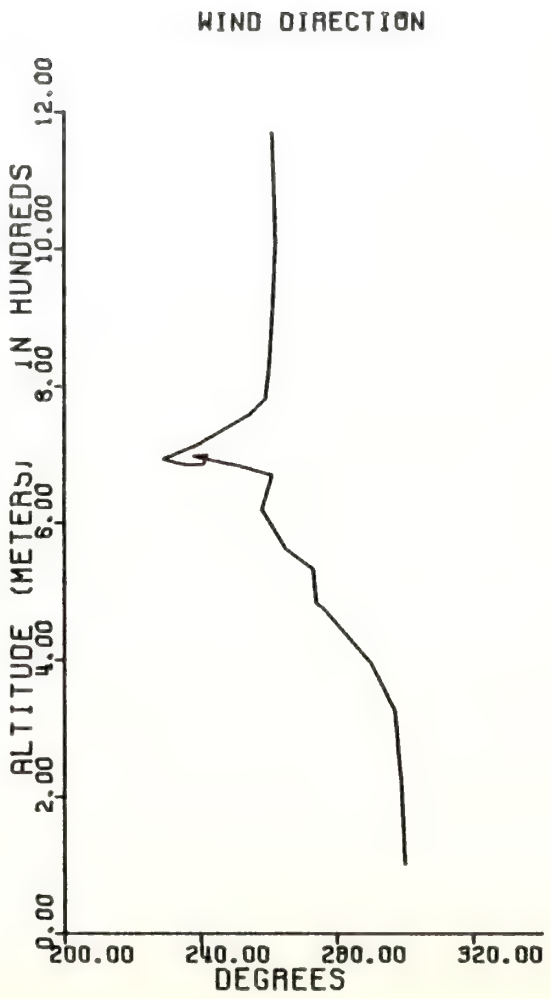
16	182.8	14.9
17	211.8	15.2
18	223.1	15.7
19	227.1	16.2
20	217.7	16.8
21	315.4	17.9
22	351.3	19.8
23	287.1	22.7
24	346.2	23.8

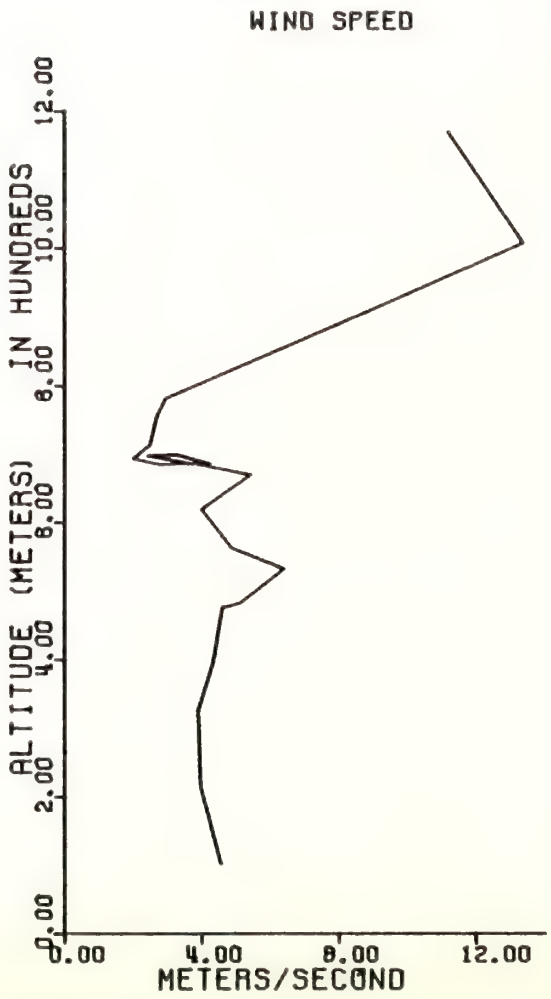
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
335.	300.	15.0	23.7
713.	299.	13.0	23.2
1076.	297.	12.8	22.7
1302.	290.	14.2	22.2
1566.	276.	15.1	21.7
1589.	274.	16.8	21.4
1752.	273.	21.0	21.1
1851.	265.	16.0	20.8
2035.	258.	13.1	20.5
2200.	261.	17.8	20.2
2241.	252.	13.6	19.9
2293.	238.	8.0	19.7
2296.	242.	10.5	19.4
2249.	241.	13.9	19.1
2246.	237.	9.5	18.9
2279.	229.	6.6	18.8
2347.	239.	8.2	18.7
2488.	254.	8.9	18.5
2566.	259.	9.7	18.4
2696.	260.	15.7	18.3
2941.	261.	27.2	18.2
3308.	262.	43.8	18.1
3833.	261.	36.7	18.0

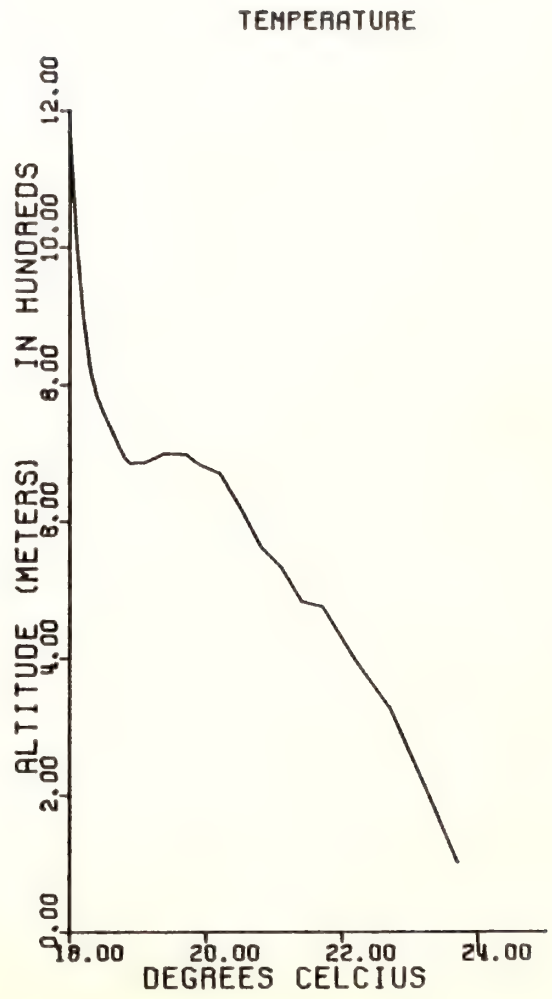
HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
102.	300.	4.6	23.7
217.	299.	4.0	23.2
328.	297.	3.9	22.7
397.	290.	4.3	22.2
477.	276.	4.6	21.7
484.	274.	5.1	21.4
534.	273.	6.4	21.1
564.	265.	4.9	20.8
620.	258.	4.0	20.5
671.	261.	5.4	20.2
683.	252.	4.1	19.9
699.	238.	2.4	19.7
700.	242.	3.2	19.4
686.	241.	4.2	19.1
685.	237.	2.9	18.9
695.	229.	2.0	18.8
715.	239.	2.5	18.7
758.	254.	2.7	18.5
782.	259.	3.0	18.4
822.	260.	4.8	18.3
897.	261.	8.3	18.2
1008.	262.	13.4	18.1
1168.	261.	11.2	18.0

C-B PIBAL SOUNDING

TIME 1315 DATE 10/6/78





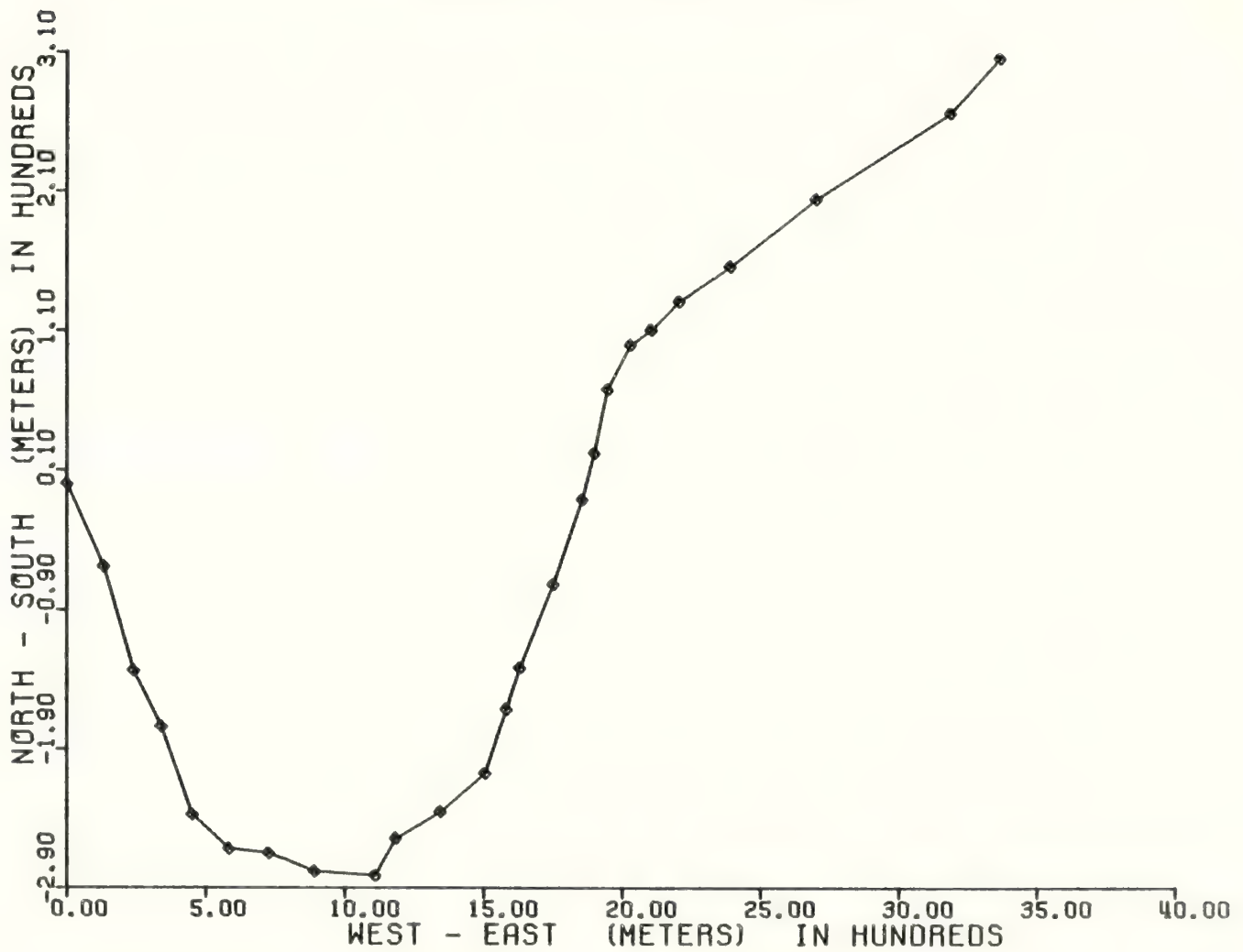


C-B PIBAL SOUNDING

TIME 1315 DATE 10/6/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10- 9-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	298.0	24.0	38.4	1.7	1.8
1.0	292.0	28.0	35.1	4.2	3.6
1.5	295.6	41.1	35.3	6.6	4.6
2.0	299.1	55.6	36.9	8.2	5.7
2.5	272.0	70.3	40.0	10.6	6.2
3.0	221.5	68.7	42.9	13.4	6.1
3.5	199.5	57.7	47.5	16.7	6.0
4.0	190.0	47.7	53.3	20.1	5.7
4.5	186.4	42.5	59.2	23.6	5.4
5.0	184.1	40.9	64.4	26.9	5.2
5.5	183.4	39.4	69.2	29.9	4.9
6.0	182.3	38.6	74.1	32.5	4.7
6.5	180.2	37.8	79.1	34.6	4.4
7.0	179.8	38.1	82.4	36.9	4.2
7.5	180.0	39.0	84.6	39.0	3.9
8.0	181.0	39.0	87.0	41.8	3.7
8.5	181.8	40.5	89.2	44.0	3.3
9.0	182.2	40.9	92.4	45.9	2.9
9.5	183.0	41.4	95.8	48.2	2.6
10.0	183.5	42.1	97.5	50.0	2.2
10.5	183.5	43.2	100.3	51.9	1.9
11.0	183.0	43.6	101.4	52.4	1.5
11.5	181.8	45.2	103.1	52.7	1.2
12.0	180.4	44.2	103.6	51.8	0.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	6.5	4.5
2	8.3	4.7
3	10.9	4.8
4	1.8	4.9
5	34.7	4.9
6	23.5	4.9
7	49.9	5.0
8	25.3	5.2
9	15.0	5.4
10	21.1	5.7
11	15.8	6.0
12	17.6	6.3
13	11.0	6.7
14	24.8	7.0
15	18.0	7.3
16	79.8	7.5

17	28.5	7.8
18	18.6	8.1
19	17.4	8.5
20	31.5	8.7
21	25.8	9.2
22	32.7	9.4
23	53.0	9.9
24	6.2	9.9

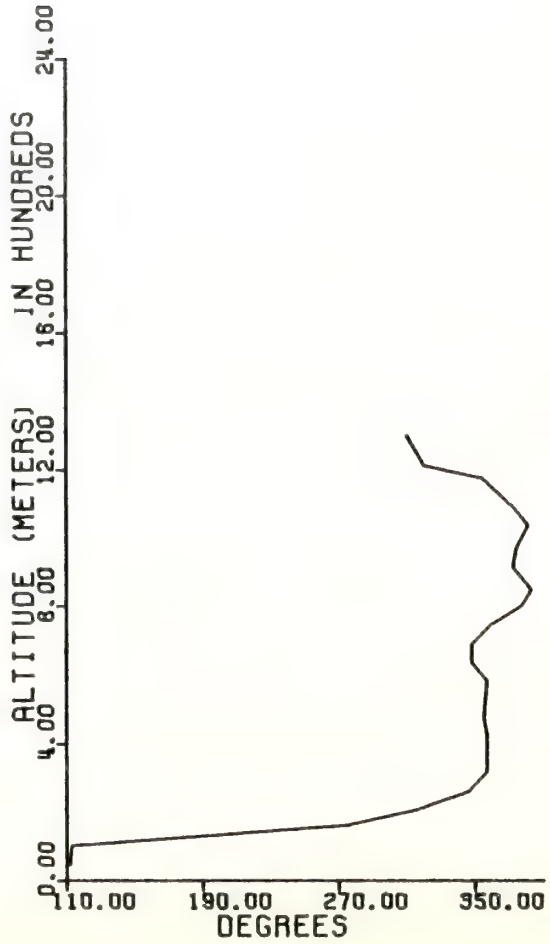
HEIGHT EEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
154.	112.	10.6	1.8
341.	113.	4.5	3.6
540.	274.	3.0	4.6
689.	316.	6.0	5.7
863.	346.	9.3	6.2
1055.	357.	12.7	6.1
1245.	357.	15.9	6.0
1403.	357.	16.0	5.7
1571.	355.	13.0	5.4
1766.	356.	10.8	5.2
1930.	357.	10.0	4.9
2100.	348.	9.7	4.7
2273.	348.	8.1	4.4
2456.	359.	5.3	4.2
2634.	17.	4.9	3.9
2794.	23.	4.8	3.7
3011.	12.	4.8	3.3
3197.	14.	6.0	2.9
3413.	21.	4.8	2.6
3587.	12.	4.0	2.2
3863.	354.	3.6	1.9
3983.	320.	3.7	1.5
4260.	310.	4.3	1.2

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
47.	112.	3.2	1.8
104.	113.	1.4	3.6
165.	274.	0.9	4.6
210.	316.	1.8	5.7
263.	346.	2.8	6.2
321.	357.	3.9	6.1
379.	357.	4.8	6.0
428.	357.	4.9	5.7
479.	355.	4.0	5.4
538.	356.	3.3	5.2
588.	357.	3.0	4.9
640.	348.	3.0	4.7
693.	348.	2.5	4.4
749.	359.	1.6	4.2
803.	17.	1.5	3.9
852.	23.	1.5	3.7
918.	12.	1.5	3.3
975.	14.	1.8	2.9
1040.	21.	1.5	2.6
1093.	12.	1.2	2.2
1177.	354.	1.1	1.9
1214.	320.	1.1	1.5
1298.	310.	1.3	1.2

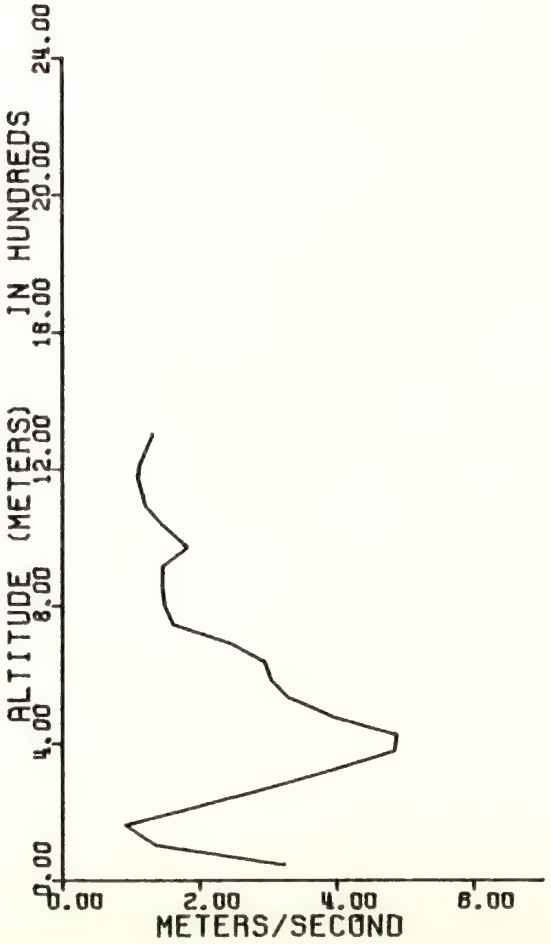
C-B PIBAL SOUNDING

TIME 715 DATE 10/9/78

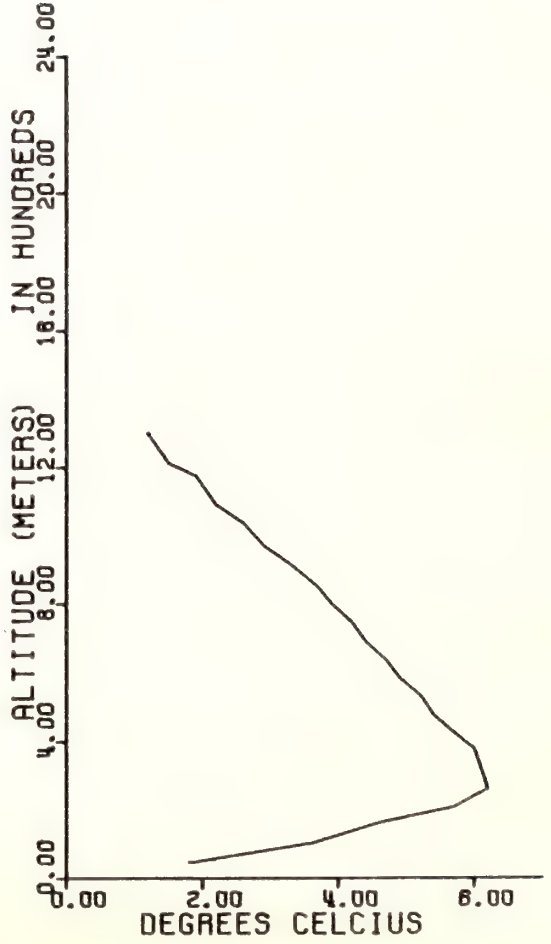
WIND DIRECTION



WIND SPEED



TEMPERATURE

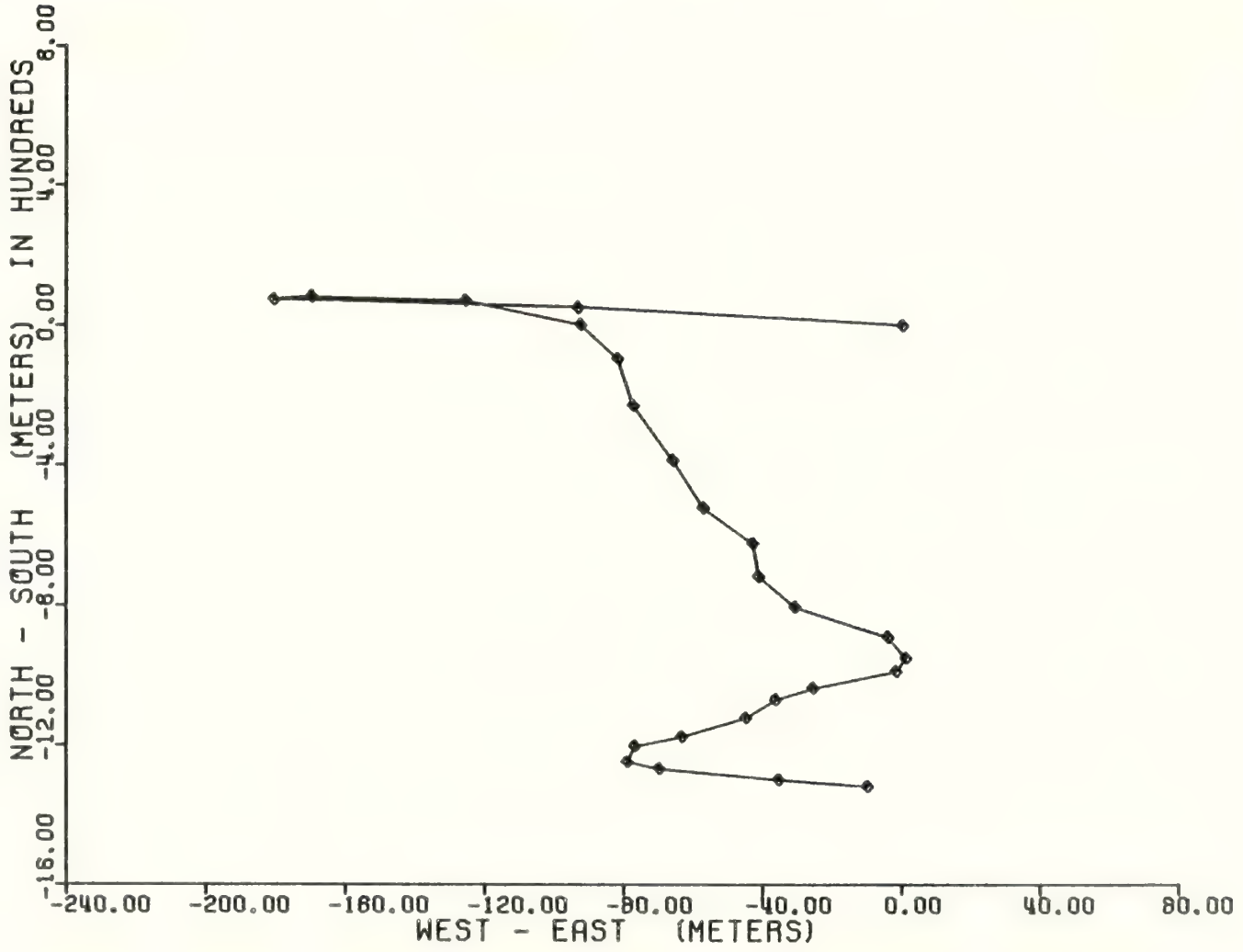


C-B PIBAL SOUNDING

TIME 715 DATE 10/9/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10- 9-78

BALLOON RELEASED 1230 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	122.2	23.3	47.6	2.5	23.1
1.0	112.2	36.3	49.8	6.2	21.4
1.5	112.6	42.1	53.5	10.9	19.6
2.0	119.5	41.7	57.0	12.8	18.4
2.5	127.8	38.9	60.9	14.5	17.6
3.0	130.6	40.1	64.2	17.8	16.9
3.5	129.3	41.6	67.2	20.9	16.1
4.0	128.3	42.4	69.1	23.9	15.3
4.5	128.2	45.3	70.1	26.4	14.6
5.0	128.9	45.8	71.8	27.7	13.8
5.5	127.4	44.8	73.6	28.1	13.1
6.0	126.7	44.2	75.7	29.0	12.3
6.5	126.0	45.0	76.6	30.7	11.5
7.0	124.3	46.1	76.0	31.4	11.1
7.5	124.6	46.2	77.1	32.0	11.0
8.0	127.0	45.6	80.2	33.0	10.9
8.5	128.3	44.8	82.9	34.1	10.6
9.0	131.0	44.4	86.4	35.3	10.0
9.5	132.6	43.5	89.9	36.0	9.4
10.0	133.3	42.6	93.0	36.4	8.8
10.5	136.5	40.5	97.5	36.0	8.7
11.0	137.6	38.3	101.7	34.7	8.6

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	28.7	4.7
2	42.9	5.2
3	40.8	6.0
4	0.9	6.3
5	18.6	6.6
6	44.3	7.0
7	47.7	7.8
8	142.5	8.4
9	112.4	8.9
10	88.2	9.2
11	85.4	9.7
12	89.8	10.3
13	136.6	10.9
14	141.7	11.1
15	126.0	11.4

16	106.7	12.0
17	157.0	12.6
18	146.3	13.2
19	149.7	14.0
20	156.9	15.0
21	151.6	15.5
22	78.9	16.5

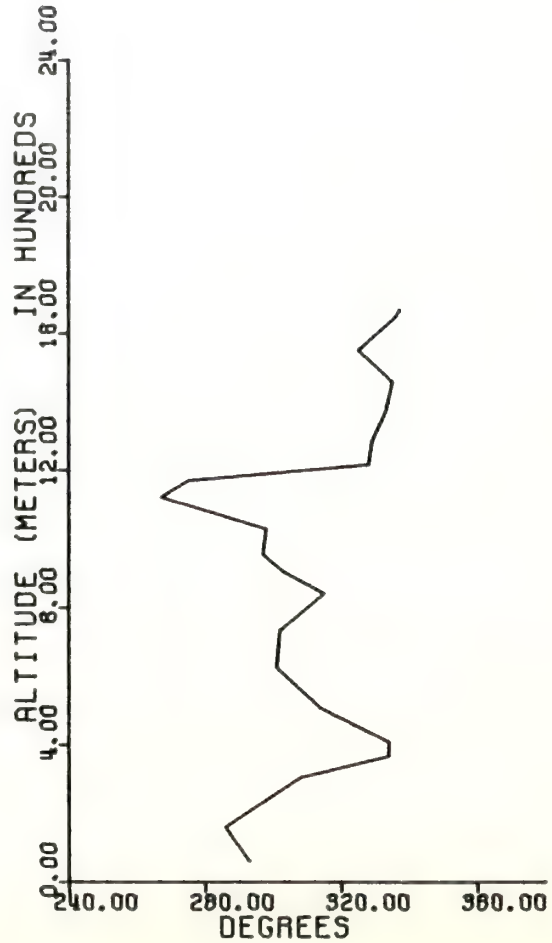
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
198.	293.	11.9	23.1
533.	286.	10.9	21.4
1001.	308.	10.9	19.6
1207.	334.	11.1	18.4
1344.	334.	11.3	17.6
1667.	314.	10.6	16.9
2058.	301.	10.3	16.1
2415.	302.	6.4	15.3
2762.	315.	4.6	14.6
2970.	303.	7.4	13.8
3140.	297.	10.0	13.1
3382.	298.	8.4	12.3
3690.	267.	4.1	11.5
3847.	275.	2.9	11.1
3998.	328.	8.2	11.0
4230.	329.	12.1	10.9
4504.	333.	13.1	10.6
4791.	335.	15.1	10.0
5091.	325.	16.7	9.4
5414.	336.	18.3	8.8
5467.	337.	22.7	8.7

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
60.	293.	3.6	23.1
162.	286.	3.3	21.4
305.	308.	3.3	19.6
368.	334.	3.4	18.4
410.	334.	3.4	17.6
508.	314.	3.2	16.9
627.	301.	3.1	16.1
736.	302.	2.0	15.3
842.	315.	1.4	14.6
905.	303.	2.3	13.8
957.	297.	3.0	13.1
1031.	298.	2.6	12.3
1125.	267.	1.2	11.5
1172.	275.	0.9	11.1
1219.	328.	2.5	11.0
1289.	329.	3.7	10.9
1373.	333.	4.0	10.6
1460.	335.	4.6	10.0
1552.	325.	5.1	9.4
1650.	336.	5.6	8.8
1666.	337.	6.9	8.7

C-B PIBAL SOUNDING

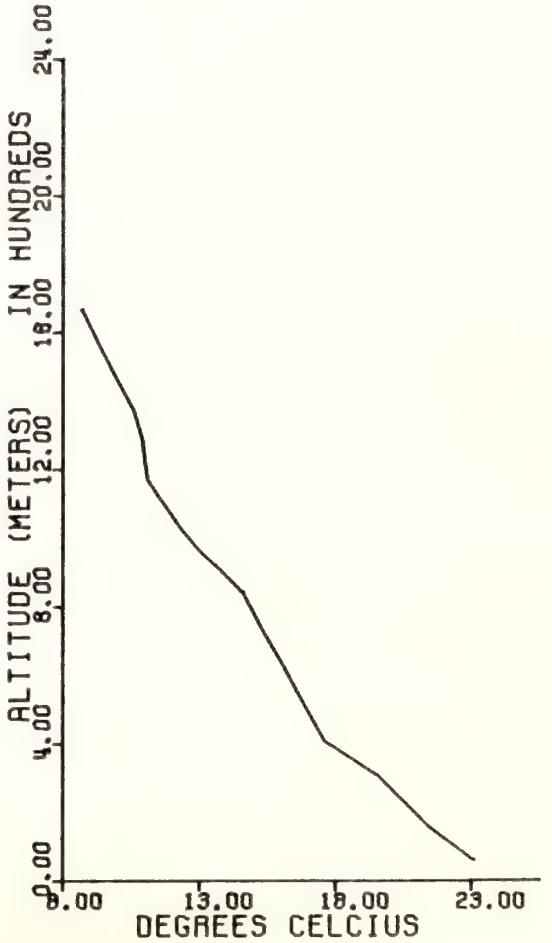
TIME 1230 DATE 10/9/78

WIND DIRECTION



WIND SPEED

TEMPERATURE

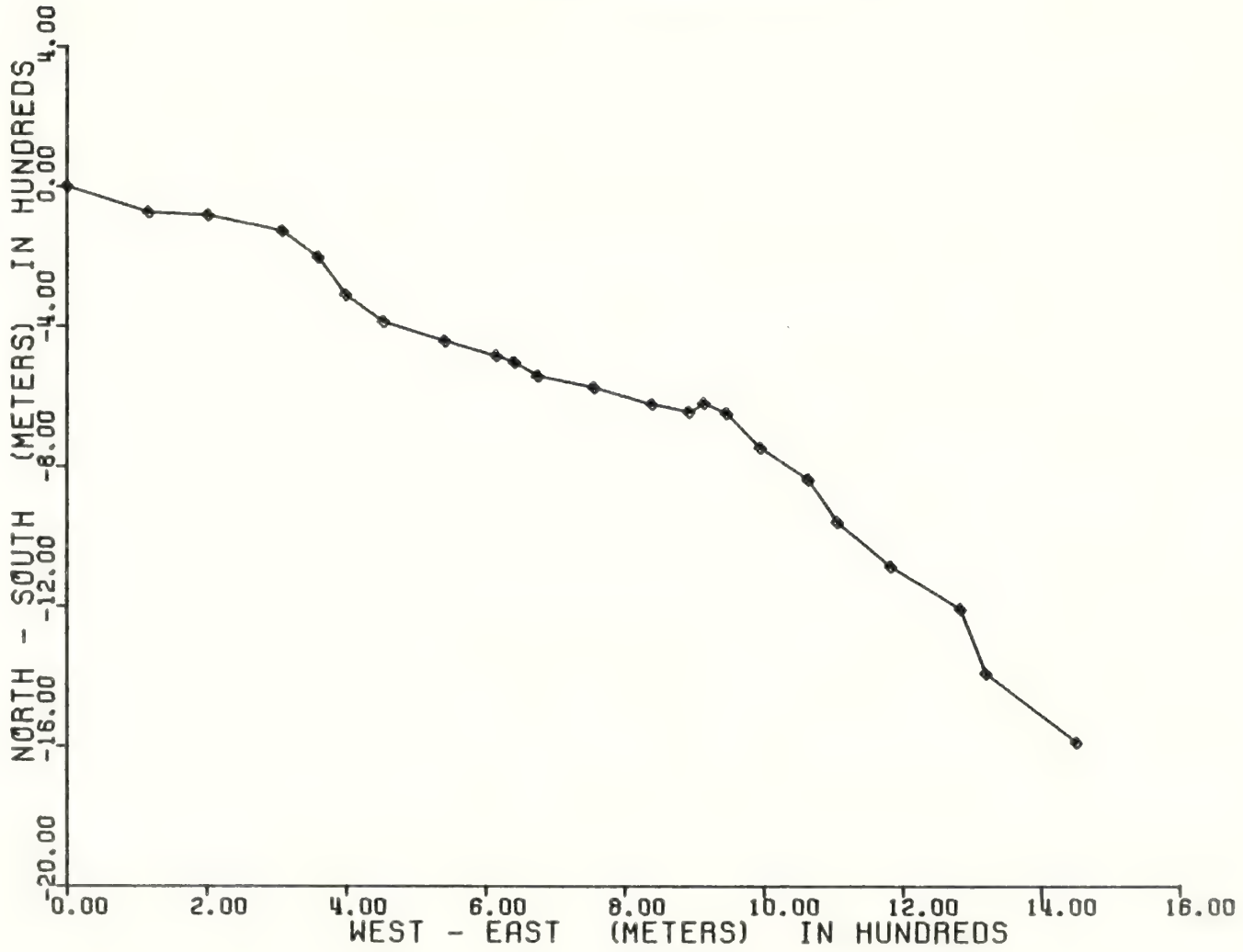


C-B PIBAL SOUNDING

TIME 1230 DATE 10/9/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-b PIBAL SOUNDING

DATE: 10/11/78 TIME: 0715

Data not reduced balloon broke.

C-B PIBAL SOUNDING

SOUNDING DATE 10-11-78

BALLOON RELEASED 1230 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	358.0	60.0	42.1	2.0	21.0
1.0	30.5	66.9	42.2	4.4	18.2
1.5	55.7	58.6	43.4	7.2	17.4
2.0	67.4	53.7	45.2	9.4	16.6
2.5	75.2	52.8	47.3	12.4	15.8
3.0	81.4	53.3	49.6	15.7	14.8
3.5	85.3	53.5	51.7	18.3	13.6
4.0	92.5	48.8	55.3	19.4	12.9
4.5	94.6	46.4	57.9	20.5	12.7
5.0	95.1	44.7	59.2	20.8	12.6
5.5	95.7	42.9	60.8	21.2	12.5
6.0	96.0	41.4	62.6	21.8	11.7
6.5	96.8	39.6	65.0	22.5	11.0
7.0	97.4	39.0	66.4	23.2	10.3
7.5	99.2	37.8	69.1	23.4	9.5
8.0	101.2	34.6	72.6	23.6	8.8
8.5	102.0	33.3	74.5	23.4	8.3
9.0	103.4	31.8	76.7	23.4	7.9
9.5	104.4	30.7	79.4	23.5	7.5
10.0	105.1	29.7	80.9	23.3	7.1
10.5	105.7	29.4	82.6	23.7	6.7
11.0	106.2	29.4	83.6	24.0	6.3
11.5	107.1	29.7	85.1	24.7	5.3
12.0	108.0	28.8	87.0	25.4	4.3

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	35.3	4.4
2	8.6	4.7
3	10.9	5.3
4	23.5	5.8
5	36.6	6.4
6	45.1	7.0
7	37.5	7.6
8	79.2	8.2
9	83.7	8.8
10	95.3	9.2
11	109.6	9.7
12	115.8	10.3
13	133.8	11.2
14	157.7	11.8
15	107.7	12.6

16	223.2	13.9
17	214.3	14.6
18	268.9	15.4
19	265.5	16.8
20	287.4	17.6
21	310.2	18.7
22	315.3	19.3
23	330.3	20.3
24	553.8	21.7

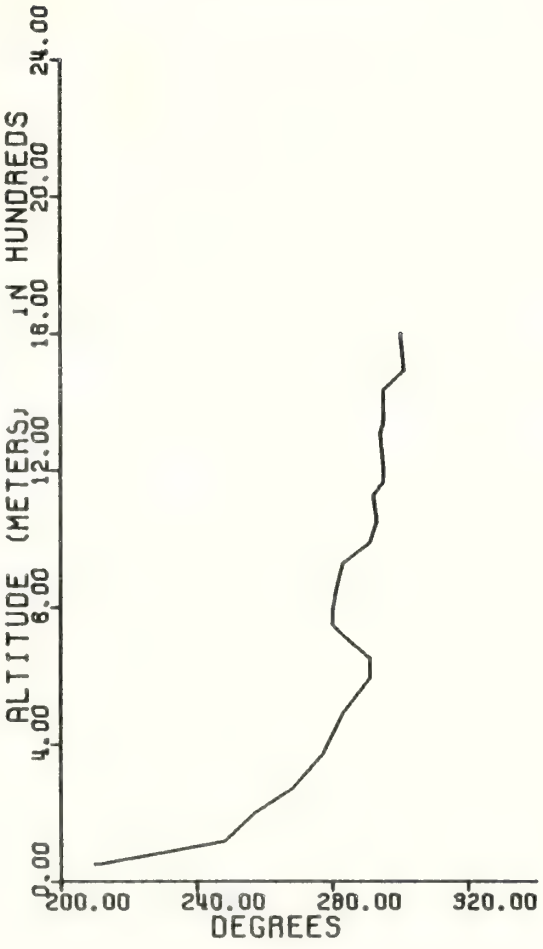
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
165.	210.	2.8	21.0
389.	248.	6.0	18.2
663.	257.	8.9	17.4
897.	268.	9.4	16.6
1230.	277.	9.7	15.8
1620.	283.	9.2	14.8
1961.	291.	11.9	13.6
2144.	291.	13.9	12.9
2370.	283.	10.2	12.7
2468.	280.	8.8	12.6
2600.	280.	11.1	12.5
2798.	281.	14.6	11.7
3056.	283.	13.7	11.0
3257.	291.	13.2	10.3
3457.	293.	22.0	9.5
3706.	292.	22.0	8.8
3838.	295.	16.9	8.3
3979.	295.	22.6	7.9
4296.	294.	21.4	7.5
4406.	295.	18.2	7.1
4716.	295.	16.1	6.7
4907.	301.	13.8	6.3
5243.	300.	21.3	5.3

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
50.	210.	0.9	21.0
119.	248.	1.8	18.2
202.	257.	2.7	17.4
274.	268.	2.9	16.6
375.	277.	3.0	15.8
494.	283.	2.8	14.8
598.	291.	3.6	13.6
654.	291.	4.2	12.9
722.	283.	3.1	12.7
752.	280.	2.7	12.6
793.	280.	3.4	12.5
853.	281.	4.5	11.7
931.	283.	4.2	11.0
993.	291.	4.0	10.3
1054.	293.	6.7	9.5
1130.	292.	6.7	8.8
1170.	295.	5.2	8.3
1213.	295.	6.9	7.9
1309.	294.	6.5	7.5
1343.	295.	5.5	7.1
1437.	295.	4.9	6.7
1496.	301.	4.2	6.3
1598.	300.	6.5	5.3

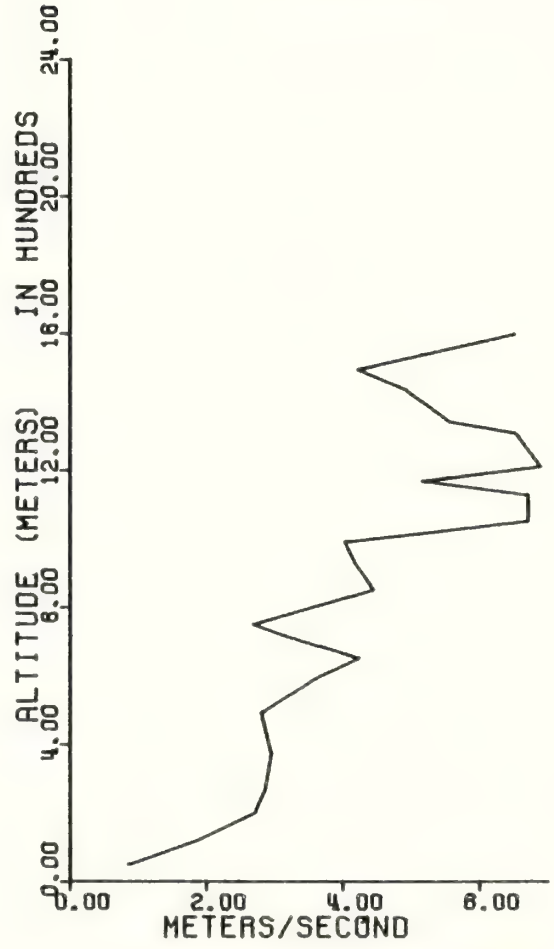
C-B PIBAL SOUNDING

TIME 1230 DATE 10/11/78

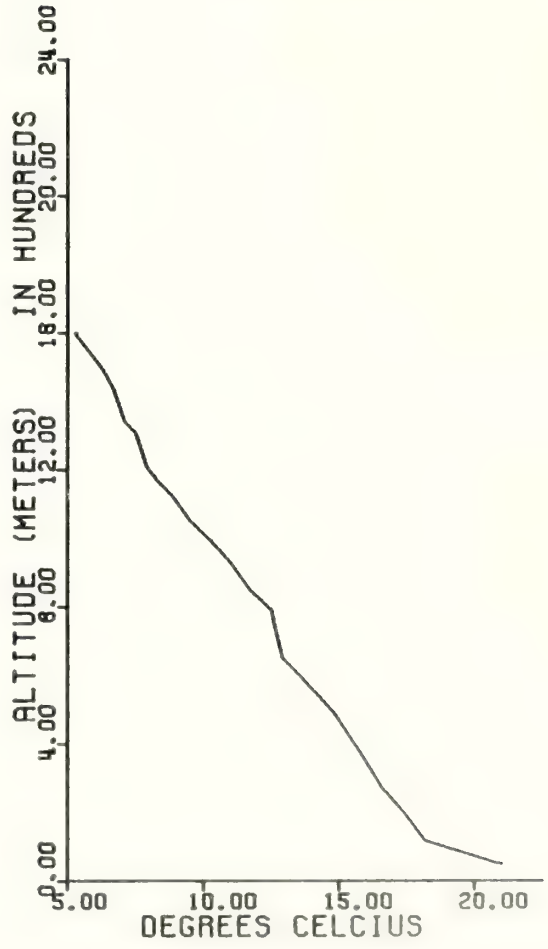
WIND DIRECTION



WIND SPEED



TEMPERATURE

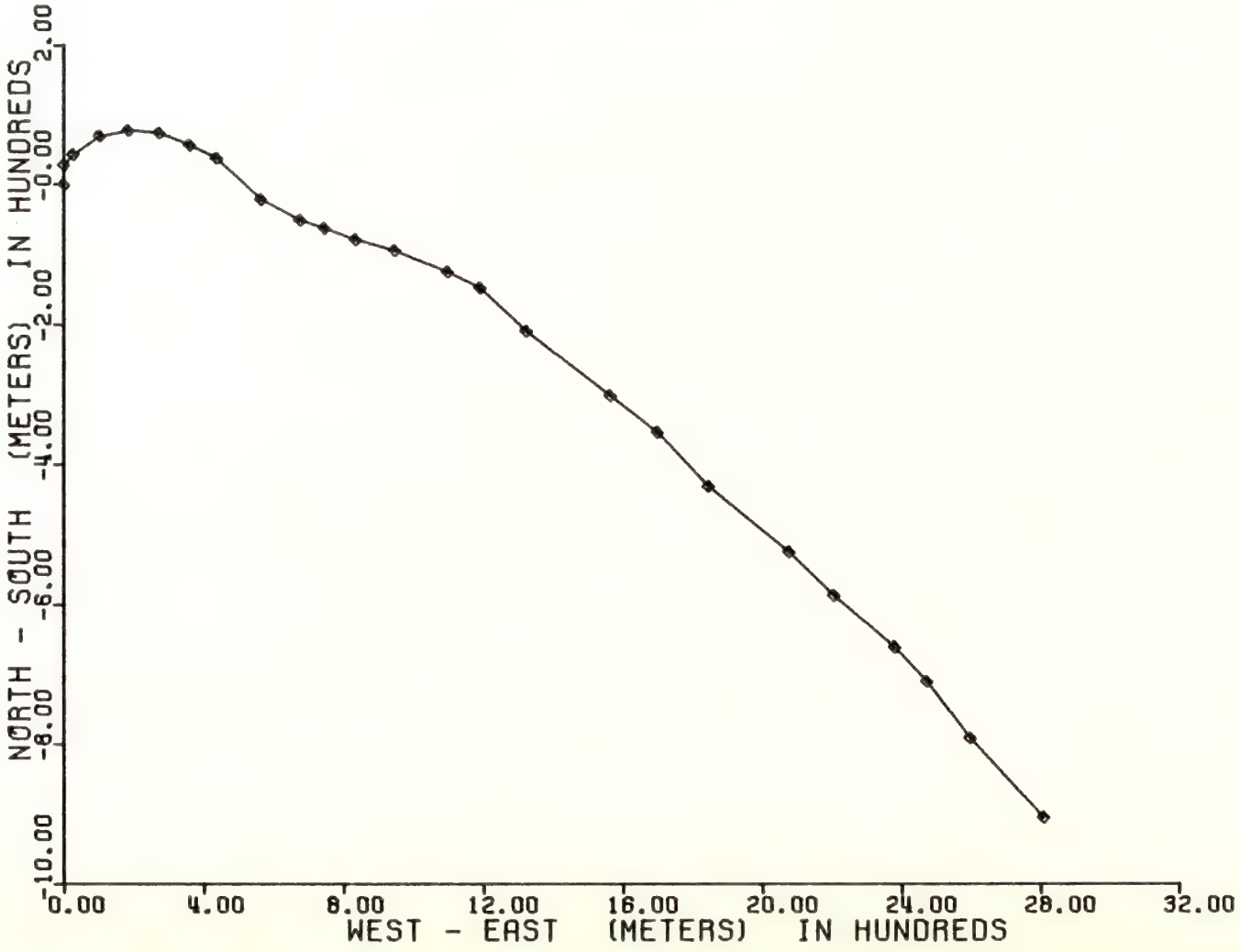


C-B PIBAL SOUNDING

TIME 1230 DATE 10/11/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-b PIBAL SOUNDING

DATE: 10/13/78 TIME: 0715

Data not reduced site #2 lost balloon.

C-B PIBAL SOUNDING

SOUNDING DATE 10-13-78

BALLOON RELEASED 1300 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	114.4	38.5	46.8	3.5	14.0
1.0	109.0	42.4	48.1	5.5	14.7
1.5	117.1	46.9	50.8	9.1	14.5
2.0	128.7	45.7	53.1	10.8	14.3
2.5	142.4	44.9	56.5	13.9	14.1
3.0	149.2	44.5	60.1	17.5	13.9
3.5	155.1	42.9	65.1	20.7	13.7
4.0	158.0	41.2	69.1	23.8	13.5
4.5	159.5	41.0	74.7	27.6	13.3
5.0	160.0	40.0	81.2	30.5	13.1
5.5	158.5	39.1	86.8	32.7	12.8
6.0	156.8	38.5	91.7	33.7	12.4
6.5	156.1	37.9	96.1	34.8	12.1
7.0	154.4	36.3	102.8	34.7	11.7
7.5	153.0	34.9	106.9	34.0	11.3
8.0	151.5	33.4	111.0	32.9	11.0
8.5	150.3	32.0	114.0	32.1	10.6
9.0	149.5	31.0	116.1	31.3	10.3
9.5	148.5	30.8	117.6	30.5	9.9
10.0	147.6	29.9	118.7	29.9	9.5
10.5	146.9	28.0	120.5	28.6	9.3
11.0	146.3	26.4	122.4	27.2	9.1
11.5	145.6	25.5	123.5	26.2	8.9
12.0	144.3	25.0	124.8	25.4	8.7

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	0.1	4.8
2	2.5	5.1
3	5.9	5.4
4	11.9	5.5
5	14.8	5.7
6	21.9	6.0
7	22.4	6.3
8	26.8	6.6
9	14.6	7.2
10	1.8	7.9
11	41.2	8.7
12	28.7	9.5
13	49.5	10.3
14	27.3	11.8
15	20.7	13.0

16	4.4	14.5
17	38.5	15.9
18	43.9	17.0
19	71.7	18.3
20	21.0	19.4
21	82.6	20.8
22	116.4	22.7
23	100.5	24.3
24	42.2	27.3

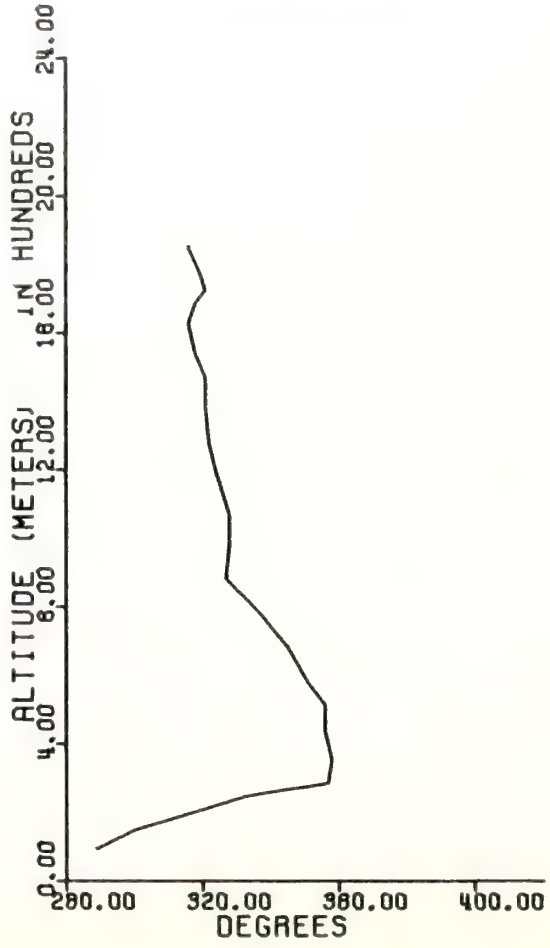
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
310.	289.	9.0	14.0
492.	300.	6.2	14.7
815.	333.	7.5	14.5
946.	357.	9.7	14.3
1174.	358.	11.4	14.1
1447.	356.	12.3	13.9
1697.	356.	12.5	13.7
1905.	351.	12.6	13.5
2246.	345.	15.1	13.3
2568.	337.	16.2	13.1
2903.	327.	16.2	12.8
3210.	328.	15.7	12.4
3511.	328.	22.1	12.1
3930.	324.	26.1	11.7
4208.	322.	26.4	11.3
4535.	321.	28.5	11.0
4832.	321.	25.2	10.6
5056.	318.	22.8	10.3
5346.	316.	21.9	9.9
5539.	318.	25.8	9.5
5664.	321.	33.8	9.3
5855.	319.	34.3	9.1
6067.	316.	43.9	8.9

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
94.	289.	2.7	14.0
150.	300.	1.9	14.7
248.	333.	2.3	14.5
288.	357.	3.0	14.3
358.	358.	3.5	14.1
441.	356.	3.7	13.9
517.	356.	3.8	13.7
581.	351.	3.8	13.5
685.	345.	4.6	13.3
783.	337.	4.9	13.1
885.	327.	4.9	12.8
978.	328.	4.8	12.4
1070.	328.	6.7	12.1
1198.	324.	8.0	11.7
1283.	322.	8.0	11.3
1382.	321.	8.7	11.0
1473.	321.	7.7	10.6
1541.	318.	6.9	10.3
1629.	316.	6.7	9.9
1688.	318.	7.9	9.5
1726.	321.	10.3	9.3
1785.	319.	10.5	9.1
1849.	316.	13.4	8.9

C-B PIBAL SOUNDING

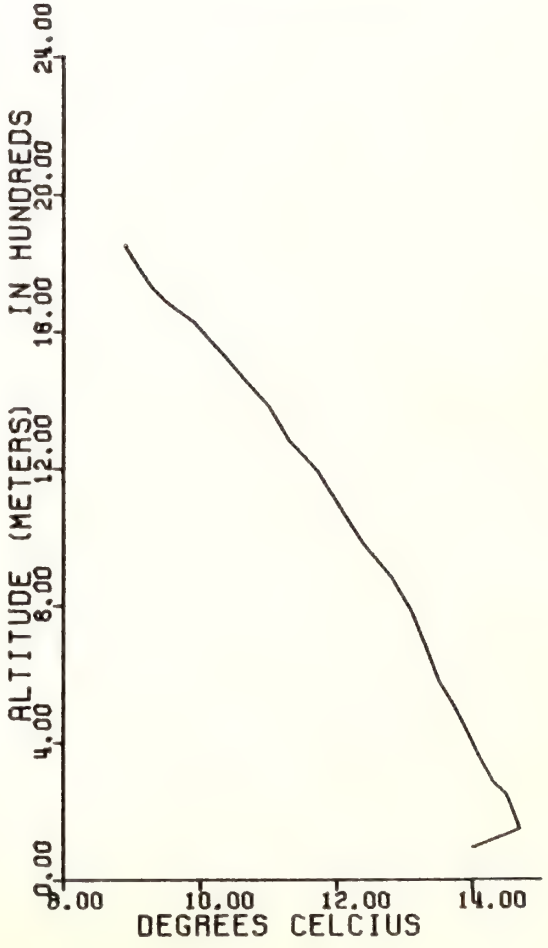
TIME 1300 DATE 10/13/78

WIND DIRECTION



WIND SPEED

TEMPERATURE

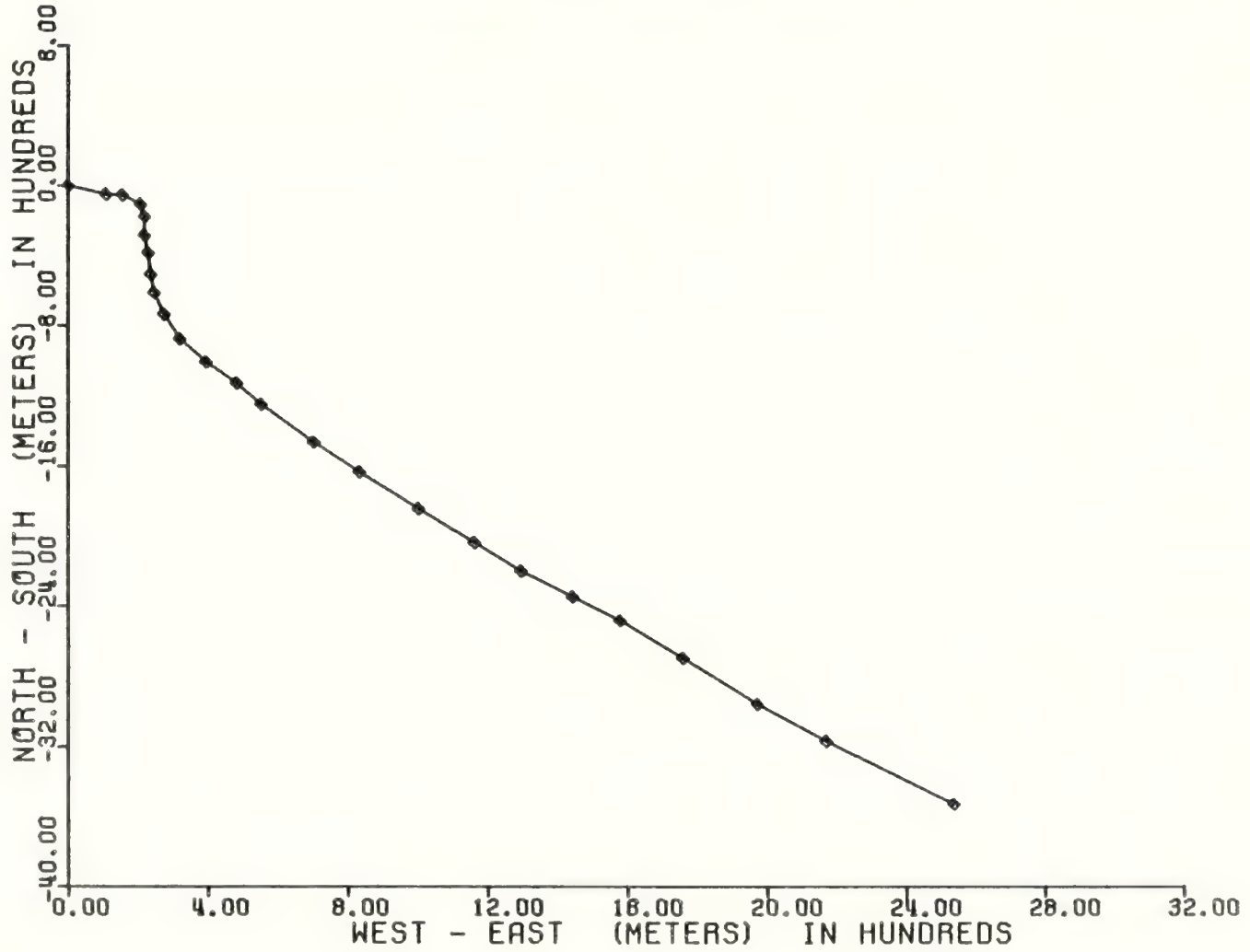


C-B PIBAL SOUNDING

TIME 1300 DATE 10/13/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING **SUSPECT DATA**

SOUNDING DATE 10-17-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	291.0	16.5	38.1	1.9	8.9
1.0	292.9	44.4	37.2	5.4	10.2
1.5	328.0	56.6	37.4	8.0	11.6
2.0	347.7	55.5	36.3	10.3	11.3
2.5	1.0	43.3	32.7	12.5	11.1
3.0	5.0	34.7	30.3	12.8	10.8
3.5	8.5	28.5	29.0	12.5	10.6
4.0	12.7	22.3	27.7	12.3	10.4
4.5	15.6	19.6	27.8	12.0	9.9
5.0	15.4	17.5	28.2	11.7	9.3
5.5	22.0	16.5	29.6	11.8	8.7
6.0	26.9	15.0	32.0	11.7	8.1
6.5	28.4	14.6	33.0	11.6	7.5
7.0	30.7	13.8	34.5	11.5	7.0
7.5	32.7	13.4	35.4	11.4	6.6
8.0	35.0	12.8	37.1	11.3	6.2
8.5	36.7	12.4	38.3	11.2	5.8
9.0	38.4	11.9	39.6	11.1	0.0
9.5	40.2	11.5	40.9	10.9	0.0
10.0	41.0	11.2	41.5	10.8	0.0
10.5	41.9	10.9	42.1	10.8	0.0
11.0	42.6	10.6	42.7	10.7	0.0
11.5	43.4	10.4	43.2	10.6	0.0
12.0	44.4	10.1	43.7	10.5	0.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	46.6	4.4
2	0.7	4.7
3	6.0	5.1
4	23.1	5.7
5	65.5	7.1
6	53.6	8.5
7	21.5	10.0
8	58.3	12.9
9	112.9	15.0
10	319.5	14.8
11	215.3	20.3
12	306.8	25.3
13	346.5	26.2
14	452.6	28.7
15	393.0	35.8

16	493.0	40.4
17	528.6	47.3
18	632.0	55.2
19	600.7	81.4
20	650.3	105.1
21	793.9	204.7
22	618.8	-462.0
23	667.1	-207.8
24	814.6	-40.5

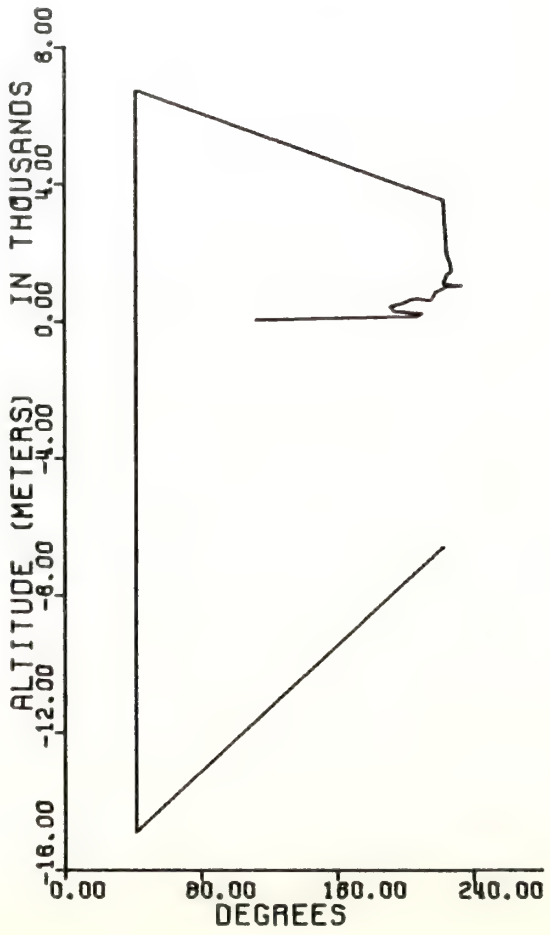
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
122.	113.	7.6	8.9
449.	207.	4.7	10.2
701.	210.	9.2	11.6
965.	193.	18.4	11.3
1362.	191.	27.7	11.1
1570.	195.	28.7	10.8
1711.	199.	43.7	10.6
2016.	203.	49.2	10.4
2196.	208.	18.9	9.9
1996.	215.	50.7	9.3
2739.	218.	100.4	8.7
3263.	225.	58.6	8.1
3329.	233.	35.2	7.5
3534.	222.	91.1	7.0
4348.	224.	111.6	6.6
4790.	227.	110.4	6.2
5499.	226.	140.5	5.8
6271.	224.	321.8	0.0
9035.	223.	469.3	0.0
11472.	222.	1158.2	0.0
22074.	42.	5320.0	0.0
-48908.	42.	3870.8	0.0
-21684.	222.	3954.5	0.0

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
37.	113.	2.3	8.9
137.	207.	1.4	10.2
214.	210.	2.8	11.6
294.	193.	5.6	11.3
415.	191.	8.4	11.1
479.	195.	8.7	10.8
522.	199.	13.3	10.6
615.	203.	15.0	10.4
669.	208.	5.8	9.9
608.	215.	15.5	9.3
835.	218.	30.6	8.7
995.	225.	17.9	8.1
1015.	233.	10.7	7.5
1077.	222.	27.8	7.0
1325.	224.	34.0	6.6
1460.	227.	33.6	6.2
1676.	226.	42.8	5.8
1911.	224.	98.1	0.0
2754.	223.	143.0	0.0
3497.	222.	353.0	0.0
6728.	42.	1621.5	0.0
-14907.	42.	1179.8	0.0
-6609.	222.	1205.3	0.0

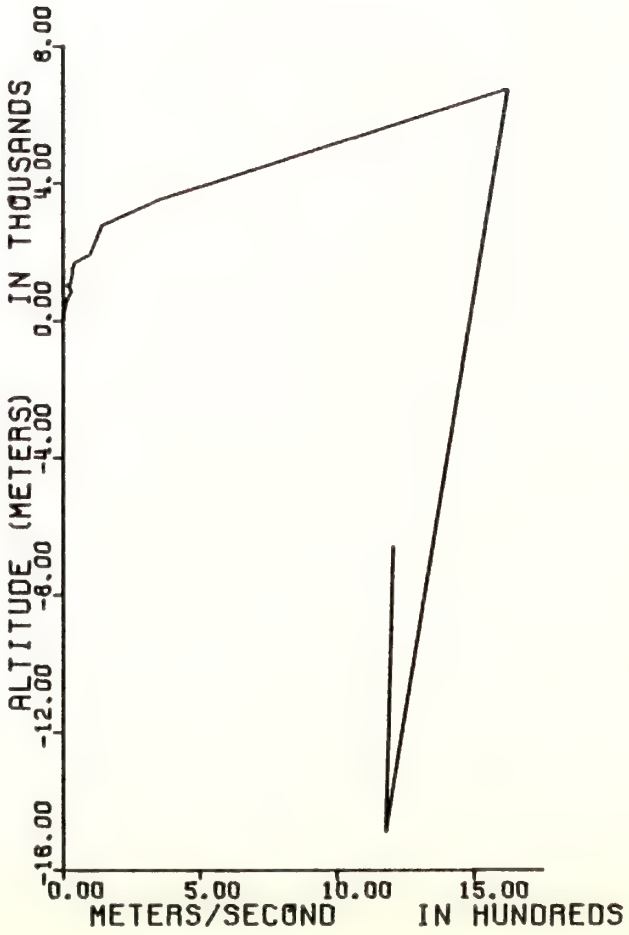
C-B PIBAL SOUNDING

TIME 715 DATE 10/17/78

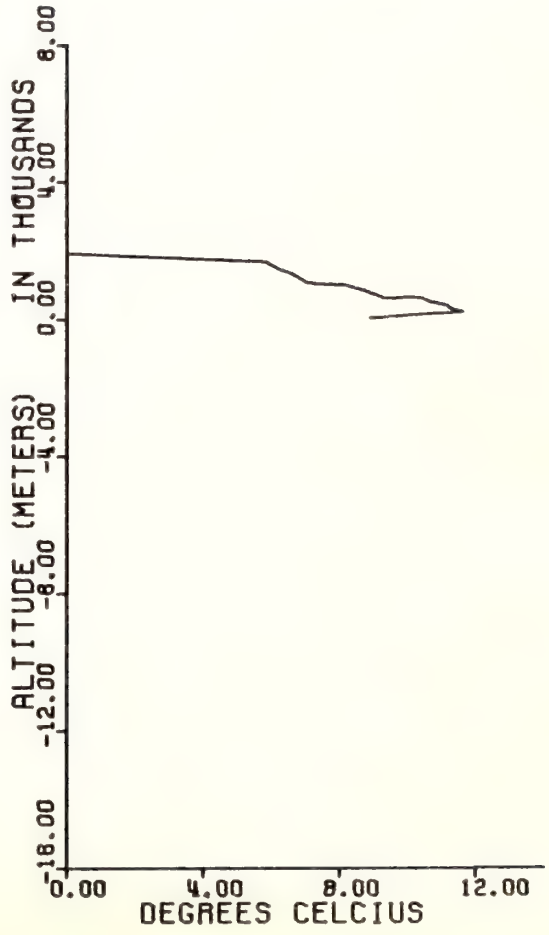
WIND DIRECTION



WIND SPEED



TEMPERATURE

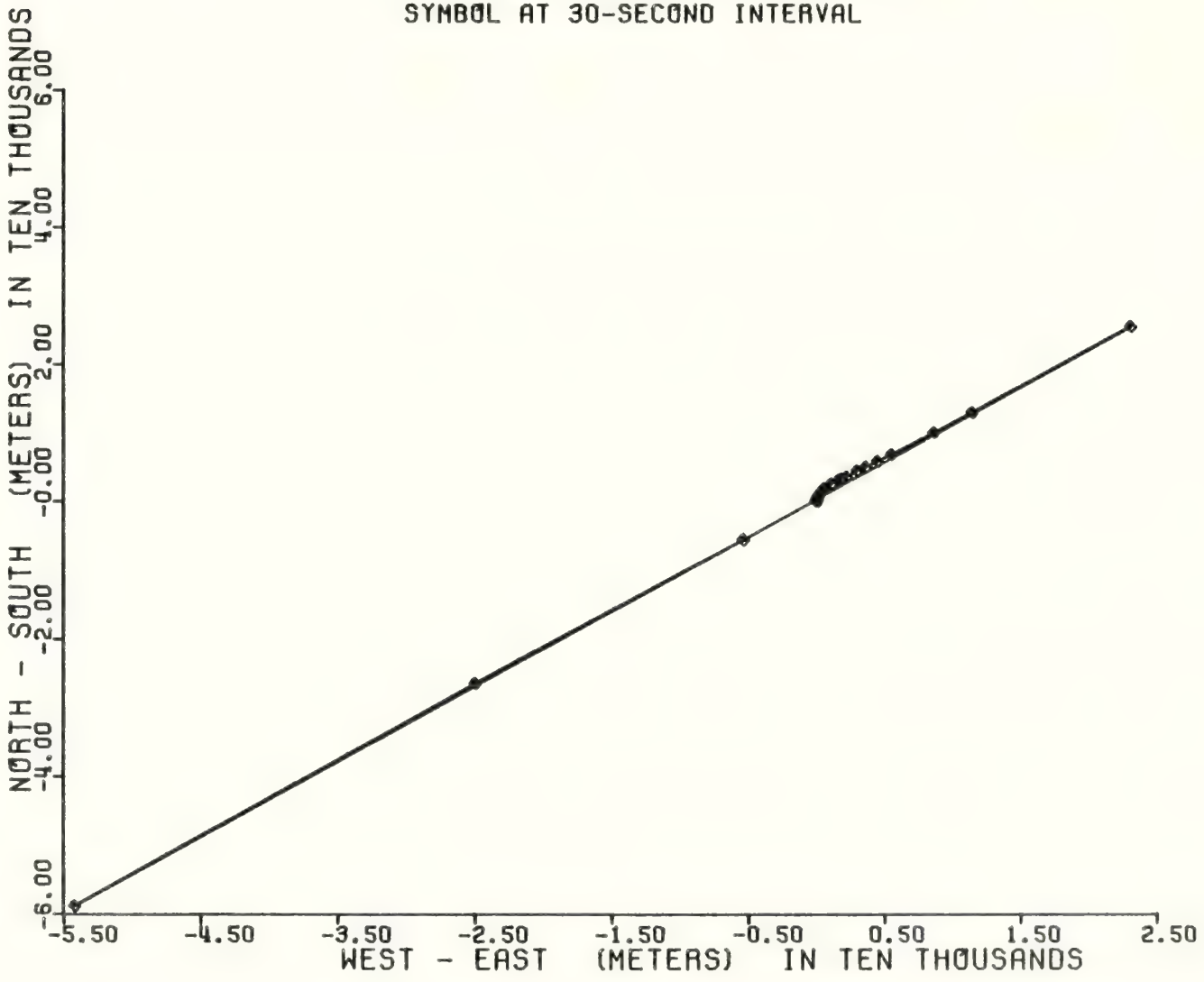


C-B PIBAL SOUNDING

TIME 715 DATE 10/17/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SUSPECT DATA

SOUNDING DATE 10-17-78

BALLOON RELEASED 1300 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	28.1	29.0	40.8	3.9	21.1
1.0	28.5	32.9	39.7	8.8	19.5
1.5	33.1	38.7	39.2	14.2	17.9
2.0	35.1	38.1	39.5	16.5	16.3
2.5	34.0	32.6	38.4	15.8	14.7
3.0	32.9	28.8	37.6	15.3	13.7
3.5	33.5	26.8	37.8	15.2	13.1
4.0	32.1	23.5	36.5	14.6	12.5
4.5	30.1	22.8	34.8	14.4	12.0
5.0	27.0	19.7	32.3	14.0	11.4
5.5	24.8	19.3	30.8	14.5	10.8
6.0	25.8	18.1	31.2	14.0	10.2
6.5	26.6	17.0	31.4	13.5	9.6
7.0	27.0	16.2	31.2	13.3	9.0
7.5	27.8	16.2	31.5	13.9	8.3
8.0	28.4	15.9	31.9	14.1	7.6
8.5	29.4	15.7	32.4	14.2	7.0
9.0	30.2	15.6	32.8	14.3	6.3
9.5	30.9	15.4	33.2	14.3	5.5
10.0	31.7	15.1	33.8	14.3	4.6
10.5	32.6	14.9	34.4	14.2	3.6
11.0	33.4	14.4	35.0	14.0	2.7
11.5	34.1	13.9	35.5	13.8	1.8
12.0	34.7	13.8	36.0	13.6	0.9

COMPAPISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	7.9	5.5
2	55.7	7.0
3	39.5	8.8
4	26.7	10.3
5	49.5	11.8
6	19.9	13.4
7	24.1	14.8
8	42.5	17.4
9	27.3	18.2
10	111.7	22.7
11	262.6	24.2
12	298.5	25.9
13	311.5	28.3
14	328.6	32.1
15	451.6	36.7

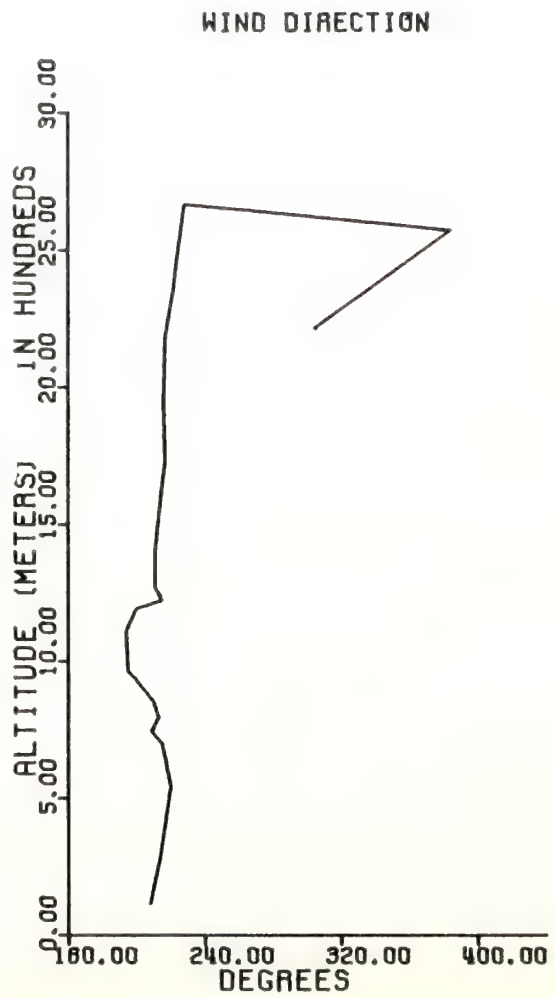
16	596.7	38.7
17	641.5	43.5
18	666.4	48.7
19	706.0	53.3
20	827.2	55.0
21	833.3	61.0
22	963.7	60.2
23	1097.2	53.3
24	1029.3	60.1

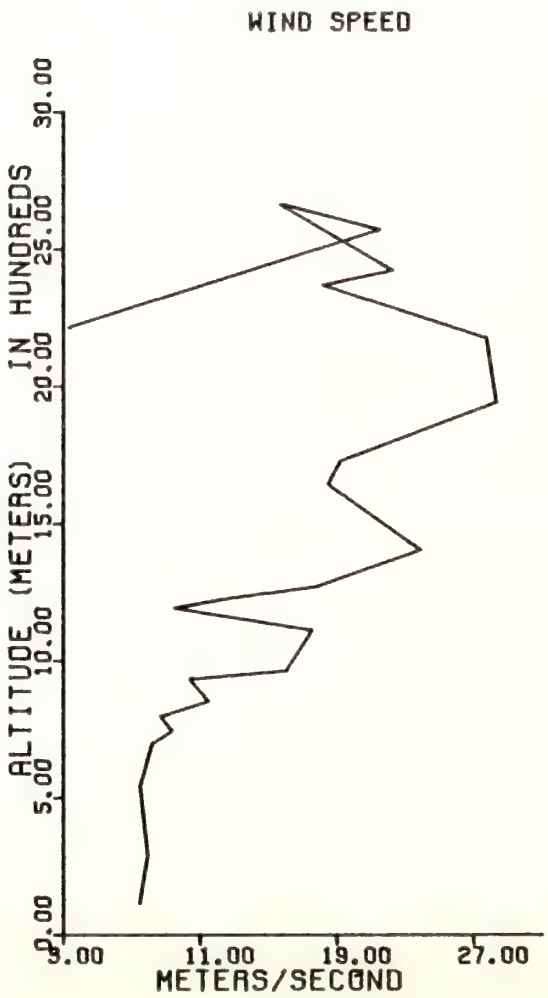
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
378.	208.	24.5	21.1
958.	214.	26.0	19.5
1790.	220.	24.6	17.9
2299.	215.	26.9	16.3
2457.	209.	30.8	14.7
2624.	213.	28.4	13.7
2809.	210.	37.8	13.1
3072.	200.	34.1	12.5
3173.	195.	52.6	12.0
3654.	194.	57.6	11.4
3919.	200.	31.1	10.8
4018.	215.	39.9	10.2
4178.	211.	58.4	9.6
4615.	211.	78.4	9.0
5405.	215.	60.6	8.3
5679.	217.	63.0	7.6
6379.	216.	92.8	7.0
7151.	217.	90.9	6.3
7783.	222.	59.6	5.5
7954.	223.	73.0	4.6
8741.	228.	51.5	3.6
8430.	24.	70.5	2.7
7269.	305.	11.1	1.8

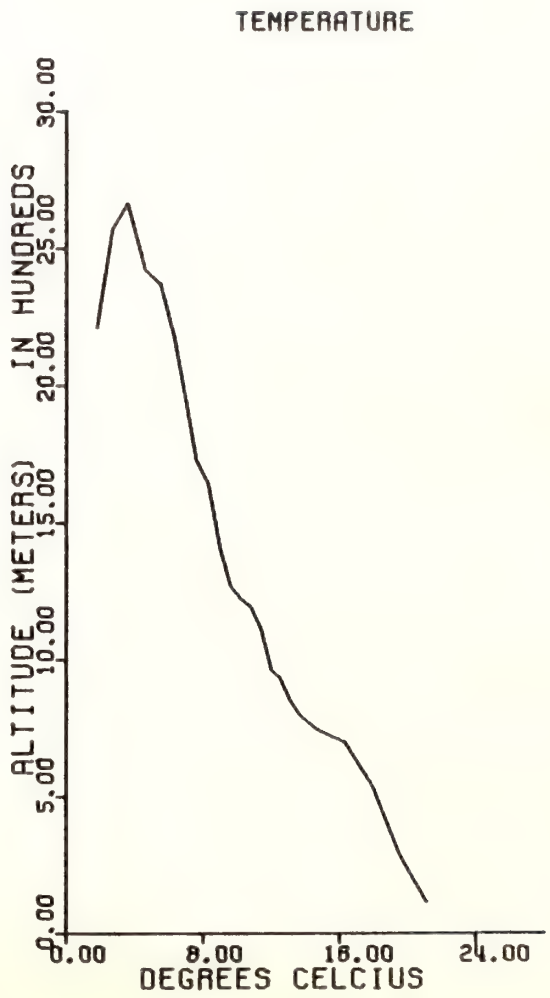
HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
115.	208.	7.5	21.1
292.	214.	7.9	19.5
546.	220.	7.5	17.9
701.	215.	8.2	16.3
749.	209.	9.4	14.7
800.	213.	8.7	13.7
856.	210.	11.5	13.1
936.	200.	10.4	12.5
967.	195.	16.0	12.0
1114.	194.	17.6	11.4
1194.	200.	9.5	10.8
1225.	215.	12.2	10.2
1274.	211.	17.8	9.6
1407.	211.	23.9	9.0
1647.	215.	18.5	8.3
1731.	217.	19.2	7.6
1944.	216.	28.3	7.0
2180.	217.	27.7	6.3
2372.	222.	18.2	5.5
2424.	223.	22.3	4.6
2664.	228.	15.7	3.6
2570.	24.	21.5	2.7
2216.	305.	3.4	1.8

C-B PIBAL SOUNDING

TIME 1300 DATE 10/17/78





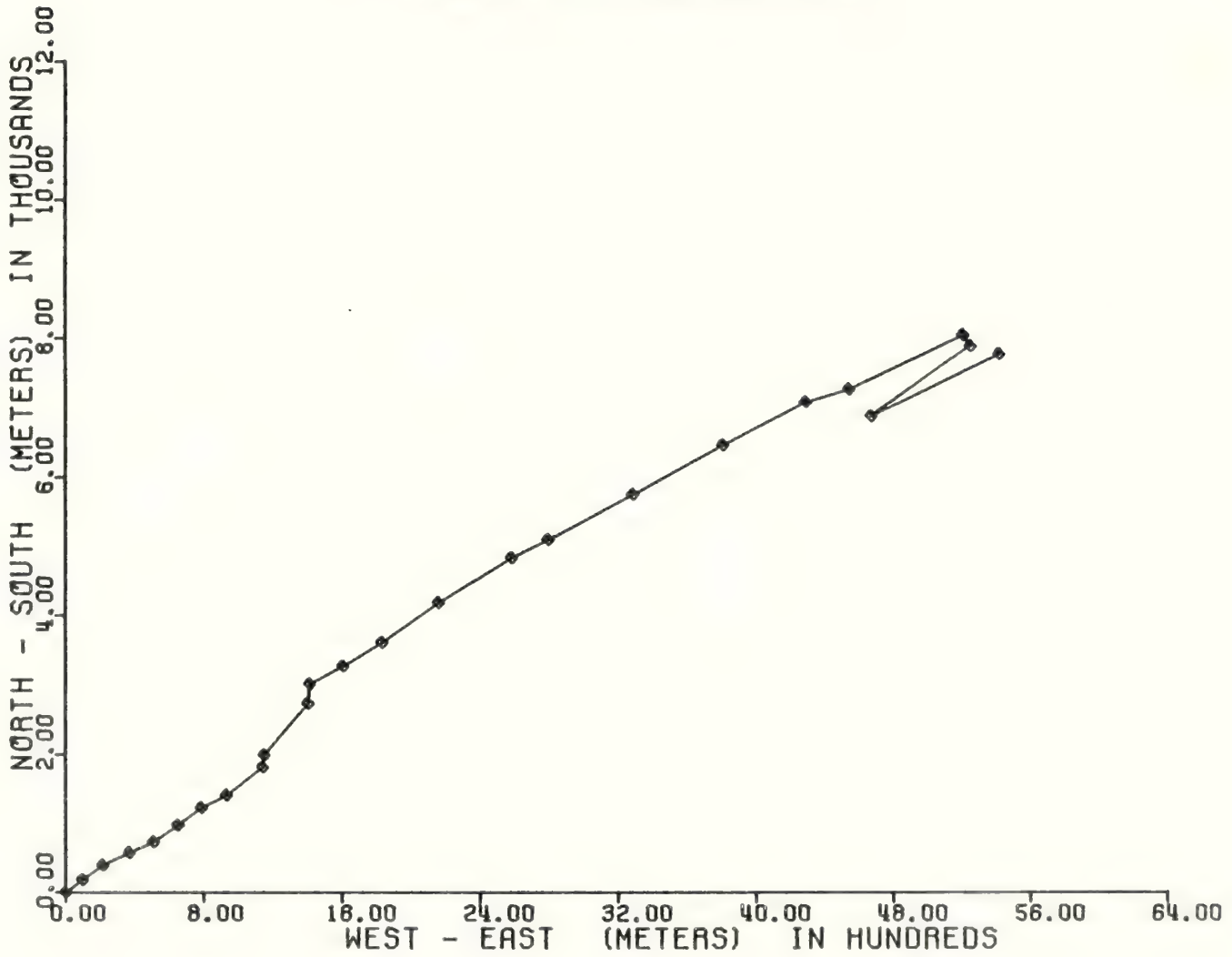


C-B PIBAL SOUNDING

TIME 1300 DATE 10/17/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-19-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	280.0	27.0	38.8	1.9	2.3
1.0	290.0	18.0	33.8	3.6	4.2
1.5	289.6	22.8	29.1	5.2	6.2
2.0	288.7	22.9	26.8	6.3	7.5
2.5	290.0	24.0	24.3	7.7	8.8
3.0	291.1	21.5	22.5	9.0	9.1
3.5	295.7	26.8	20.6	10.3	9.4
4.0	303.0	27.9	18.5	11.6	9.8
4.5	308.0	28.3	17.7	12.1	9.8
5.0	312.3	28.8	15.7	12.9	9.8
5.5	317.2	26.6	13.4	13.4	9.9
6.0	322.2	25.4	11.3	13.6	9.9
6.5	326.1	24.5	10.0	13.7	9.9
7.0	329.7	23.2	9.2	13.7	10.0
7.5	332.7	22.7	8.1	13.4	9.6
8.0	335.3	21.9	7.3	13.2	9.3
8.5	337.1	20.4	7.0	13.2	9.0
9.0	339.2	19.6	6.7	13.3	9.0
9.5	340.8	19.5	6.4	13.5	8.7
10.0	342.0	19.2	6.3	13.6	8.4
10.5	343.3	18.9	6.4	13.7	8.1
11.0	344.2	19.1	6.1	13.9	7.8
11.5	344.9	18.9	5.8	14.0	7.5
12.0	345.4	18.7	5.5	14.1	7.2

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	16.2	4.4
2	49.4	4.7
3	53.0	5.0
4	51.4	5.1
5	54.3	5.3
6	63.6	5.5
7	54.6	5.8
8	49.4	6.3
9	47.6	6.7
10	81.7	7.2
11	24.4	7.9
12	35.8	8.8
13	42.4	9.6
14	9.5	10.4
15	89.0	11.3
16	120.9	12.3

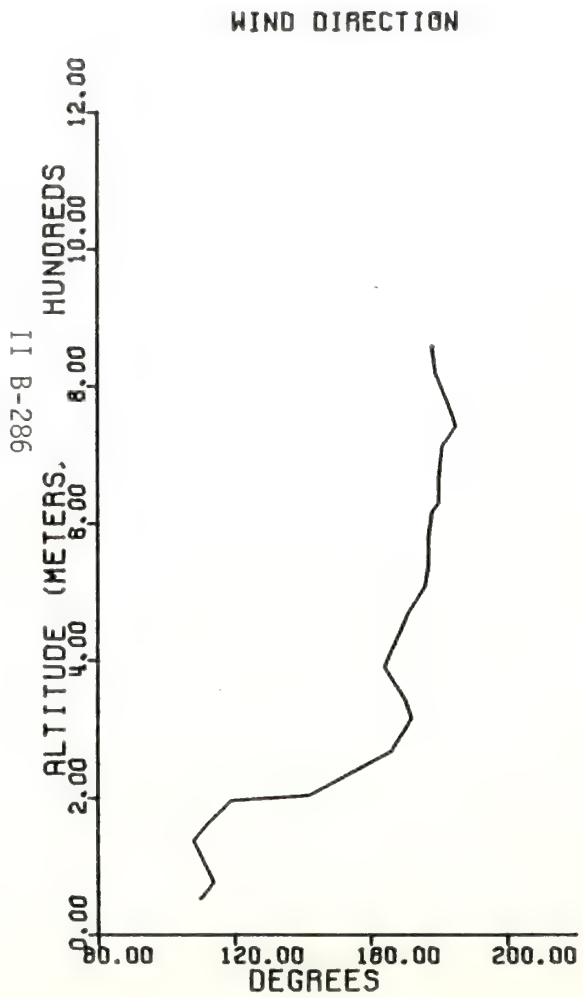
17	16.7	13.1
18	35.4	14.0
19	35.7	14.9
20	60.6	15.6
21	95.0	16.2
22	68.0	17.0
23	81.4	17.7
24	101.2	18.4

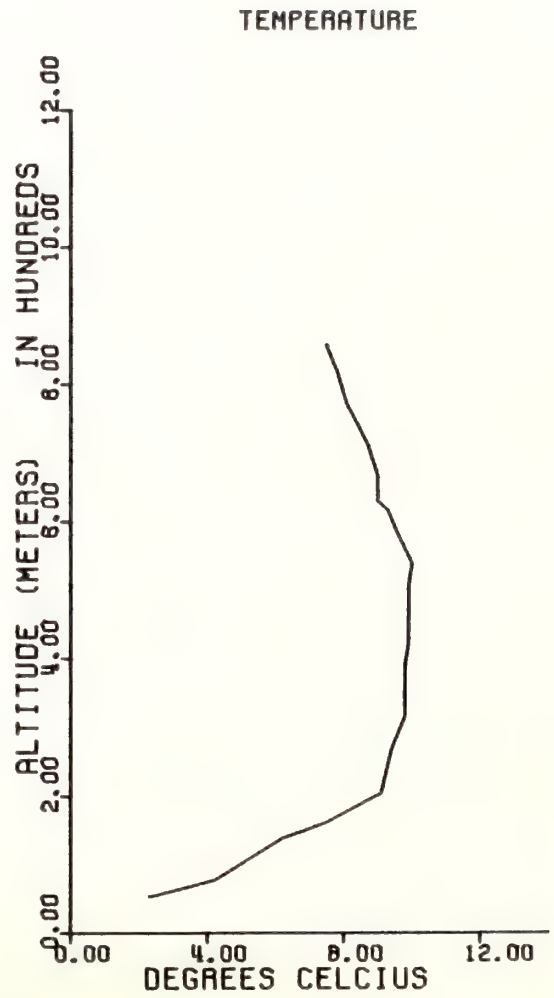
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
174.	110.	12.7	2.3
256.	114.	12.9	4.2
455.	108.	8.9	6.2
535.	112.	6.3	7.5
647.	119.	6.1	8.8
673.	142.	5.6	9.1
882.	166.	8.6	9.4
1043.	172.	9.1	9.8
1132.	170.	8.8	9.8
1286.	164.	12.9	9.8
1395.	167.	16.8	9.9
1543.	171.	17.2	9.9
1672.	176.	16.5	9.9
1772.	177.	17.5	10.0
1906.	177.	18.6	9.6
2025.	178.	17.1	9.3
2071.	180.	17.0	9.0
2188.	180.	17.6	9.0
2342.	181.	14.8	8.7
2439.	185.	12.7	8.4
2530.	183.	13.5	8.1
2692.	179.	14.3	7.8
2810.	178.	13.5	7.5

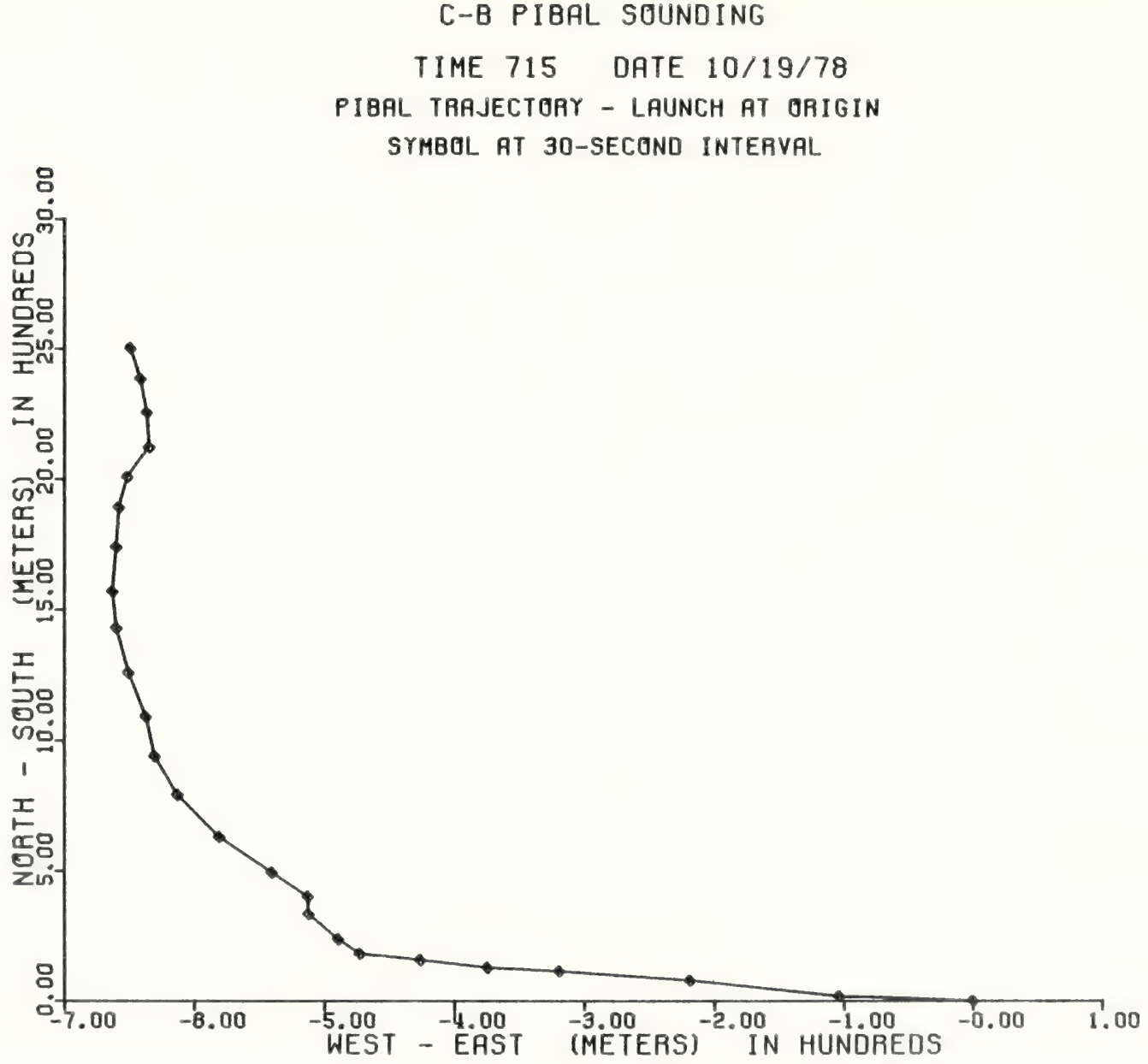
HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
53.	110.	3.9	2.3
78.	114.	3.9	4.2
139.	108.	2.7	6.2
163.	112.	1.9	7.5
197.	119.	1.9	8.8
205.	142.	1.7	9.1
269.	166.	2.6	9.4
318.	172.	2.8	9.8
345.	170.	2.7	9.8
392.	164.	3.9	9.8
425.	167.	5.1	9.9
470.	171.	5.2	9.9
510.	176.	5.0	9.9
540.	177.	5.3	10.0
581.	177.	5.7	9.6
617.	178.	5.2	9.3
631.	180.	5.2	9.0
667.	180.	5.4	9.0
714.	181.	4.5	8.7
743.	185.	3.9	8.4
771.	183.	4.1	8.1
820.	179.	4.4	7.8
856.	178.	4.1	7.5

C-B PIBAL SOUNDING

TIME 715 DATE 10/19/78






C-B PIBAL SOUNDING
TIME 715 DATE 10/19/78
PIBAL TRAJECTORY - LAUNCH AT ORIGIN
SYMBOL AT 30-SECOND INTERVAL
NORTH - SOUTH (METERS) IN HUNDREDS
0.00
5.00
10.00
15.00
20.00
25.00
30.00
-7.00
-6.00
-5.00
-4.00
-3.00
-2.00
-1.00
-0.00
1.00
WEST - EAST (METERS) IN HUNDREDS

C-b PIBAL SOUNDING

DATE: 10/19/78 TIME: 1317

Data not reduced site #2 lost balloon.

C-B PIBAL SOUNDING

SOUNDING DATE 10-20-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	275.0	15.0	38.1	1.7	8.5
1.0	282.1	22.6	34.2	3.2	11.0
1.5	297.0	24.3	30.4	4.8	11.5
2.0	311.1	25.0	26.6	6.3	12.0
2.5	320.1	25.6	23.3	8.0	11.8
3.0	327.7	25.5	20.4	9.4	11.7
3.5	336.1	23.8	17.2	10.4	11.6
4.0	341.9	22.9	15.2	10.6	11.5
4.5	346.9	20.7	14.4	10.8	11.4
5.0	349.6	19.5	13.6	10.9	11.3
5.5	352.0	18.6	13.0	11.0	10.8
6.0	354.3	17.9	12.8	10.8	10.3
6.5	356.5	17.0	13.0	10.7	9.9
7.0	358.7	16.4	13.2	10.8	9.4
7.5	0.7	16.2	13.8	11.0	9.0
8.0	2.5	16.1	14.2	11.1	8.5
8.5	4.0	15.9	14.7	11.2	8.1
9.0	5.3	15.6	15.1	11.3	7.6
9.5	6.3	15.5	15.3	11.3	7.2
10.0	7.5	15.3	15.7	11.2	6.8
10.5	8.3	15.0	15.9	11.3	6.4
11.0	9.4	14.8	16.2	11.3	6.0
11.5	10.1	14.7	16.6	11.3	5.7
12.0	11.1	14.4	16.9	11.2	5.3

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	23.8	4.4
2	48.3	4.6
3	52.7	5.0
4	70.9	5.6
5	81.2	6.4
6	99.1	7.3
7	125.8	8.8
8	231.3	10.3
9	185.1	11.9
10	179.7	13.4
11	183.3	15.0
12	235.4	16.4
13	216.1	17.9
14	200.5	19.8

16	218.9	23.0
17	212.7	24.4
18	185.0	26.2
19	228.5	27.7
20	278.0	29.3
21	235.3	31.4
22	270.6	34.0
23	267.2	35.0
24	307.0	37.9

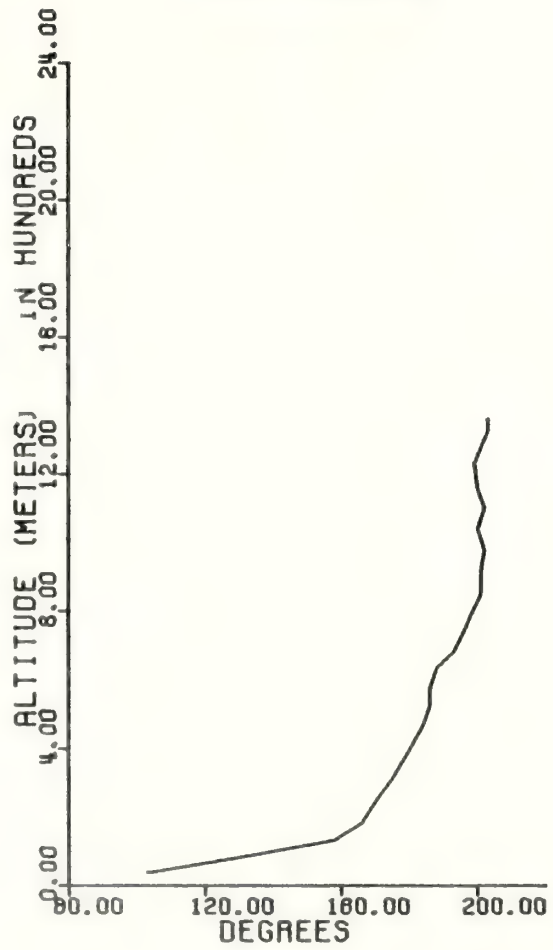
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
122.	103.	12.1	8.5
296.	134.	10.0	11.0
437.	158.	13.0	11.5
605.	166.	15.2	12.0
811.	170.	17.1	11.8
1032.	175.	24.4	11.7
1306.	180.	29.7	11.6
1546.	184.	30.7	11.5
1729.	186.	30.1	11.4
1897.	186.	28.9	11.3
2089.	188.	29.2	10.8
2241.	193.	28.7	10.3
2375.	195.	32.8	9.9
2595.	198.	32.3	9.4
2794.	201.	30.4	9.0
3027.	201.	30.5	8.5
3216.	202.	30.6	8.1
3426.	200.	31.3	7.6
3624.	202.	30.4	7.2
3798.	200.	35.4	6.8
4048.	199.	44.4	6.4
4357.	203.	33.6	6.0
4461.	203.	36.7	5.7

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
37.	103.	3.7	8.5
90.	134.	3.0	11.0
133.	158.	4.0	11.5
184.	166.	4.6	12.0
247.	170.	5.2	11.8
315.	175.	7.4	11.7
398.	180.	9.1	11.6
471.	184.	9.4	11.5
527.	186.	9.2	11.4
578.	186.	8.8	11.3
637.	188.	8.9	10.8
683.	193.	8.7	10.3
724.	195.	10.0	9.9
791.	198.	9.8	9.4
852.	201.	9.3	9.0
923.	201.	9.3	8.5
980.	202.	9.3	8.1
1044.	200.	9.5	7.6
1105.	202.	9.3	7.2
1158.	200.	10.8	6.8
1234.	199.	13.5	6.4
1328.	203.	10.2	6.0

C-B PIBAL SOUNDING

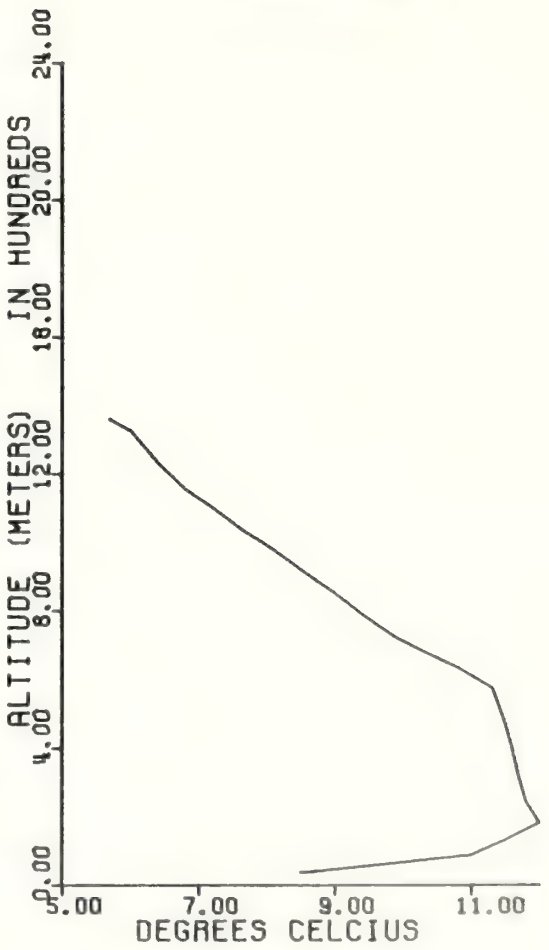
TIME 715 DATE 10/20/78

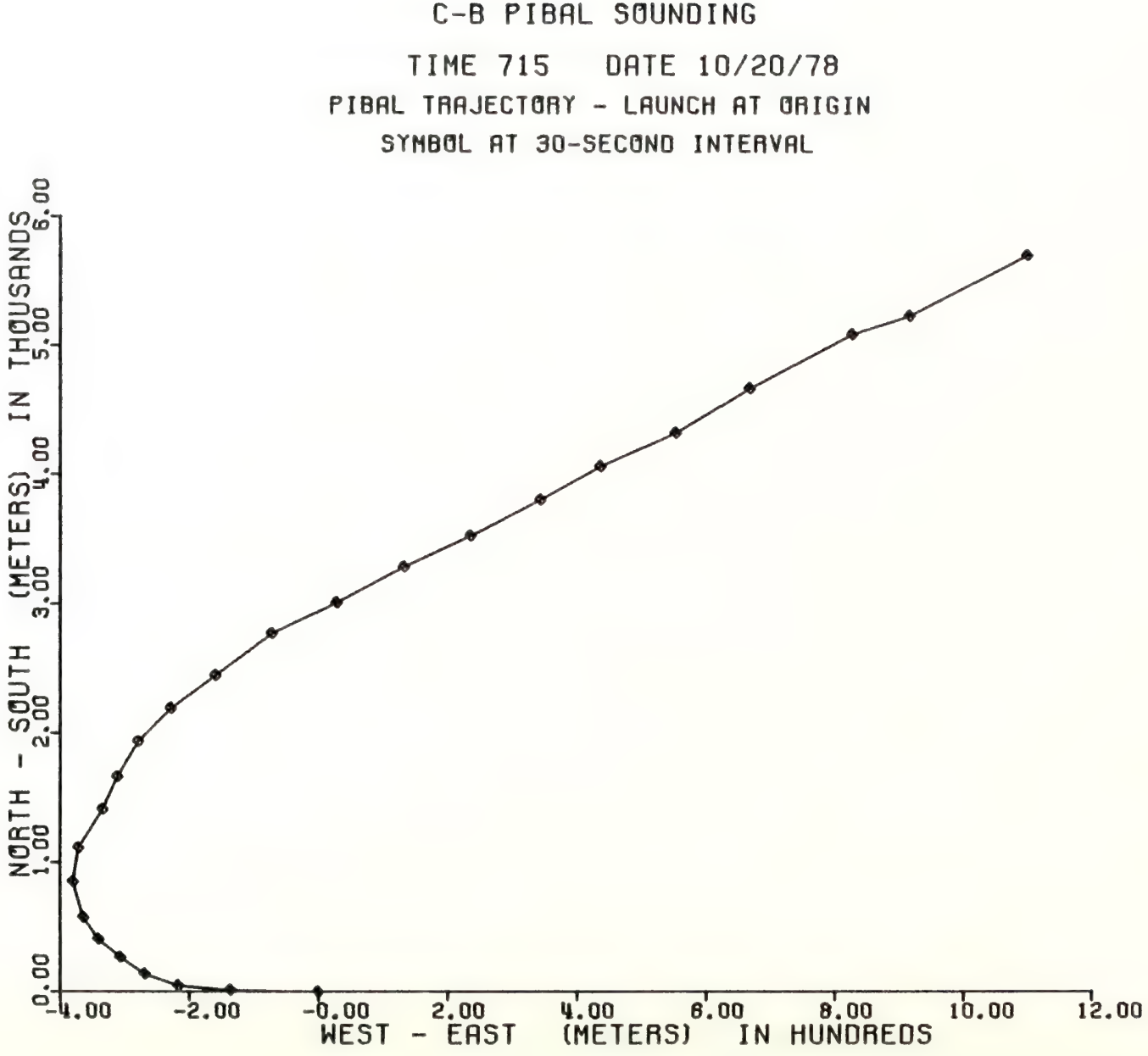
WIND DIRECTION



WIND SPEED

TEMPERATURE




C-B PIBAL SOUNDING
TIME 715 DATE 10/20/78
PIBAL TRAJECTORY - LAUNCH AT ORIGIN
SYMBOL AT 30-SECOND INTERVAL
NORTH - SOUTH (METERS) IN THOUSANDS
0.00
1.00
2.00
3.00
4.00
5.00
6.00
-4.00
-2.00
-0.00
2.00
4.00
6.00
8.00
10.00
12.00
WEST - EAST (METERS) IN HUNDREDS

C-B PIBAL SOUNDING

SUSPECT DATA

SOUNDING DATE 10-20-78

BALLOON RELEASED 1315 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	15.1	32.6	40.0	3.6	16.2
1.0	4.5	34.6	36.2	7.0	14.3
1.5	1.8	33.6	32.3	10.3	13.3
2.0	0.3	31.0	28.8	12.2	12.3
2.5	0.2	28.7	25.6	13.6	11.3
3.0	1.6	28.0	23.7	15.3	10.4
3.5	3.3	28.2	22.9	16.8	9.1
4.0	6.5	27.5	22.4	17.6	7.8
4.5	8.5	26.9	22.3	18.2	6.6
5.0	10.5	25.3	22.2	18.0	5.3
5.5	11.3	24.8	22.0	18.2	4.1
6.0	12.4	23.8	22.2	18.2	2.9
6.5	14.4	22.9	23.0	17.7	1.7
7.0	15.9	21.9	23.8	17.1	1.3
7.5	17.0	20.2	24.0	16.0	0.9
8.0	17.6	19.9	24.2	15.3	0.0
8.5	18.2	17.5	24.4	14.4	0.0
9.0	18.7	16.4	24.5	13.6	0.0
9.5	19.2	15.0	24.7	12.8	0.0
10.0	19.7	14.5	24.8	12.4	0.0
10.5	20.3	13.9	25.0	12.1	0.0
11.0	20.5	13.3	25.1	11.6	0.0
11.5	21.0	12.5	25.2	11.0	0.0
12.0	21.2	11.8	25.3	10.6	0.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	11.8	5.1
2	4.7	6.0
3	11.3	7.3
4	28.0	8.5
5	38.2	10.1
6	84.2	11.9
7	128.2	13.4
8	107.2	15.8
9	138.9	17.8
10	155.5	20.3
11	176.5	22.0
12	272.8	23.9
13	241.9	25.7
14	251.6	26.7
15	218.7	28.8

16	55.0	28.6
17	299.0	31.5
18	281.2	32.8
19	365.0	34.2
20	325.3	36.1
21	357.3	38.5
22	346.8	38.8
23	328.0	41.5
24	399.4	42.2

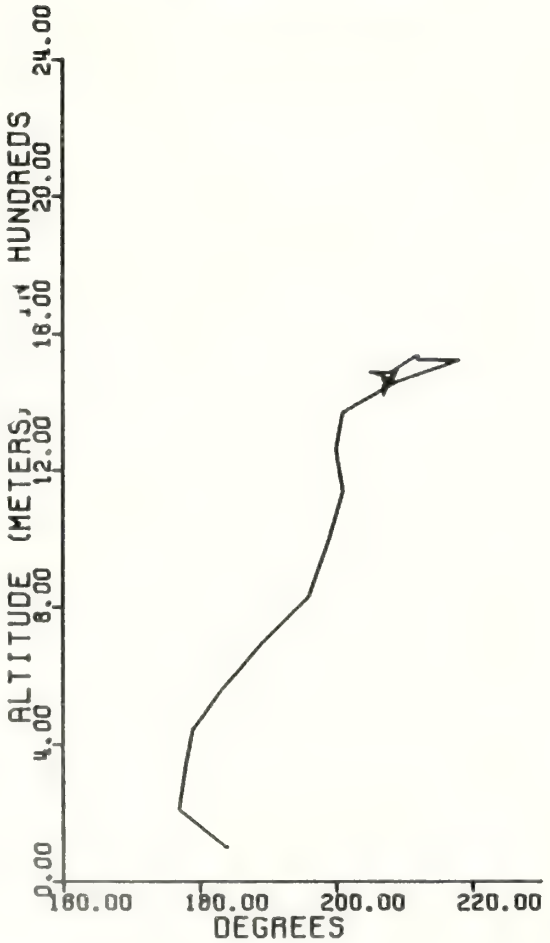
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
333.	184.	16.8	16.2
697.	177.	19.8	14.3
1126.	178.	23.6	13.3
1462.	179.	26.9	12.3
1821.	183.	30.3	11.3
2281.	189.	28.7	10.4
2733.	196.	34.3	9.1
3291.	199.	39.0	7.8
3748.	201.	40.9	6.6
4147.	200.	39.0	5.3
4499.	201.	33.5	4.1
4798.	209.	34.9	2.9
4997.	218.	28.5	1.7
5003.	212.	32.4	1.3
5041.	212.	20.9	0.9
4874.	208.	27.7	0.0
4884.	205.	42.5	0.0
4806.	208.	28.3	0.0
4651.	207.	32.4	0.0
4757.	207.	41.3	0.0
4913.	209.	26.8	0.0
4747.	208.	30.5	0.0
4808.	207.	34.0	0.0

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
102.	184.	5.1	16.2
213.	177.	6.0	14.3
343.	178.	7.2	13.3
445.	179.	8.2	12.3
555.	183.	9.2	11.3
695.	189.	8.7	10.4
833.	196.	10.5	9.1
1003.	199.	11.9	7.8
1142.	201.	12.5	6.6
1264.	200.	11.9	5.3
1371.	201.	10.2	4.1
1462.	209.	10.6	2.9
1523.	218.	8.7	1.7
1525.	212.	9.9	1.3
1537.	212.	6.4	0.9
1486.	208.	8.4	0.0
1489.	205.	13.0	0.0
1465.	208.	8.6	0.0
1417.	207.	9.9	0.0
1450.	207.	12.6	0.0
1497.	209.	8.2	0.0
1447.	208.	9.3	0.0
1466.	207.	10.4	0.0

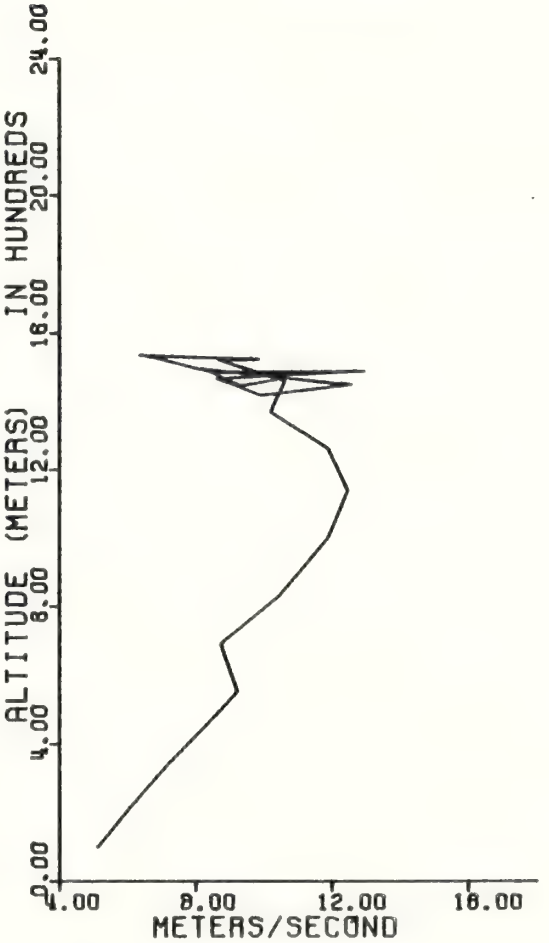
C-B PIBAL SOUNDING

TIME 1315 DATE 10/20/78

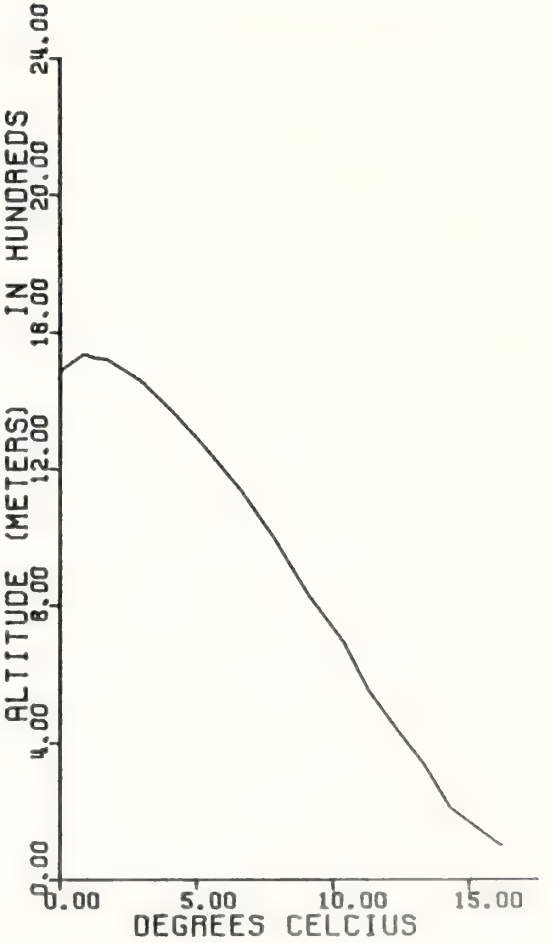
WIND DIRECTION



WIND SPEED



TEMPERATURE

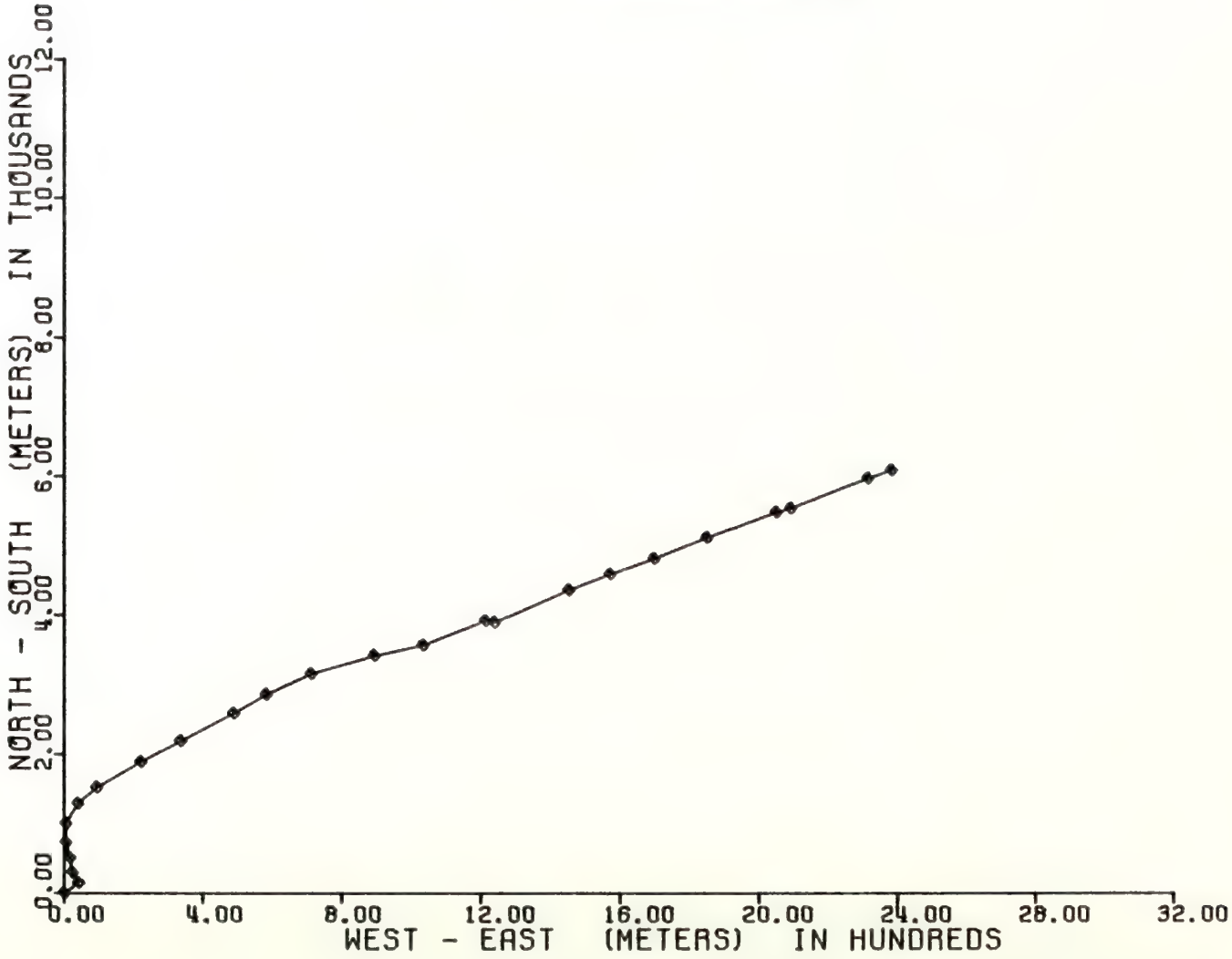


C-B PIBAL SOUNDING

TIME 1315 DATE 10/20/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-23-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	4.2	63.4	42.2	2.7	-6.2
1.0	27.2	72.0	42.1	5.0	-6.7
1.5	14.3	73.9	41.3	8.3	-6.3
2.0	9.2	76.0	41.1	10.4	-6.0
2.5	23.3	76.5	41.7	12.8	-6.5
3.0	28.1	80.5	42.8	15.4	-7.0
3.5	179.5	78.6	45.2	19.3	-6.3
4.0	201.1	62.9	48.1	25.7	-5.7
4.5	203.5	51.4	52.4	32.8	-5.3
5.0	202.0	44.4	61.0	40.1	-5.1
5.5	201.0	37.7	80.0	51.3	-5.0
6.0	202.2	34.6	99.6	58.6	-4.8
6.5	203.0	32.7	125.6	62.0	-4.6
7.0	202.4	31.7	142.2	60.0	-4.5
7.5	202.4	31.5	153.2	58.2	-4.3
8.0	202.7	31.9	162.8	56.2	-4.2
8.5	203.3	30.5	170.0	54.0	-4.0
9.0	203.9	30.2	176.0	52.1	-3.8
9.5	204.2	30.1	180.5	50.3	-3.9
10.0	204.3	29.9	183.2	48.4	-4.3
10.5	204.2	29.8	185.4	46.7	-4.6
11.0	204.5	29.8	187.9	45.6	-4.9
11.5	205.2	30.0	189.9	45.4	-5.3
12.0	205.7	30.0	198.0	45.1	-5.6

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	46.3	4.5
2	3.3	4.7
3	4.1	5.1
4	4.5	5.3
5	20.7	5.6
6	84.2	5.8
7	5.8	5.7
8	28.3	5.7
9	12.0	5.7
10	38.8	6.0
11	28.3	6.6
12	20.6	7.3
13	18.2	8.1
14	33.2	9.0
15	56.6	9.8

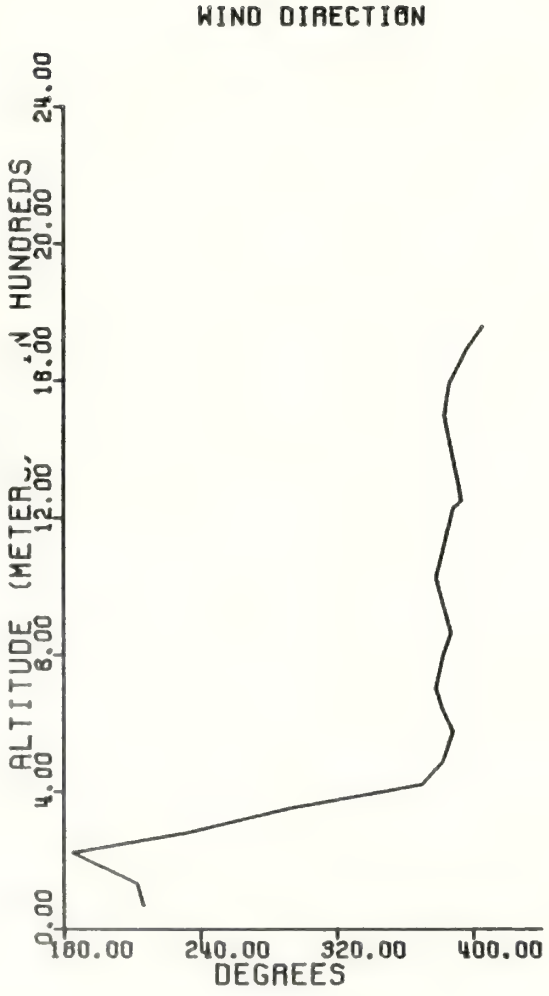
16	115.1	10.9
17	60.7	11.5
18	59.6	12.4
19	52.9	13.4
20	78.7	14.4
21	88.2	15.5
22	76.5	16.5
23	79.3	17.1
24	533.0	19.5

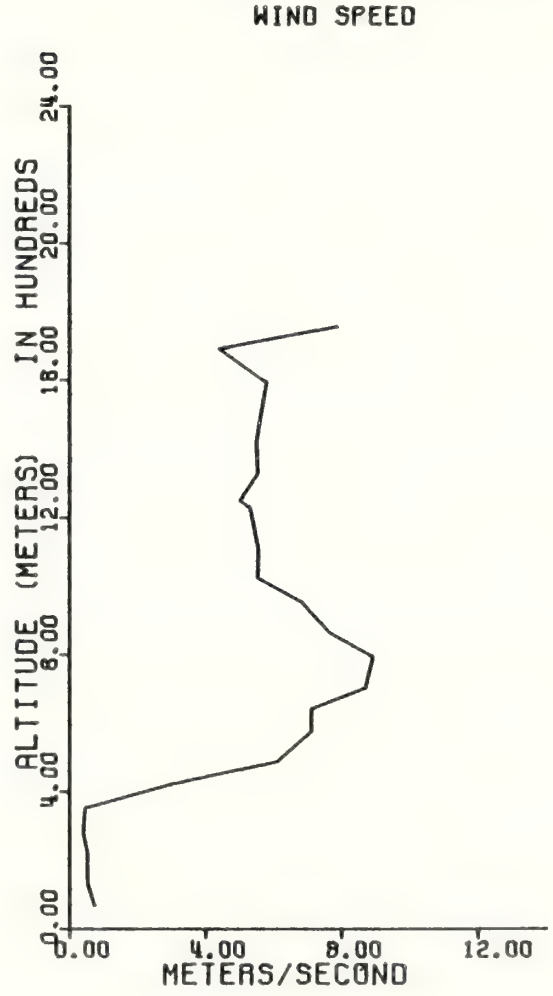
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
226.	207.	2.4	-6.2
440.	203.	1.7	-6.7
737.	165.	1.7	-6.3
925.	232.	1.3	-6.0
1158.	292.	1.5	-6.5
1390.	10.	9.8	-7.0
1609.	22.	20.0	-6.3
1897.	28.	23.3	-5.7
2110.	22.	23.3	-5.3
2312.	18.	28.5	-5.1
2612.	22.	29.2	-5.0
2839.	27.	25.0	-4.8
3131.	22.	22.4	-4.6
3363.	18.	18.1	-4.5
3634.	22.	18.2	-4.3
4035.	28.	17.4	-4.2
4104.	33.	16.4	-4.0
4360.	30.	18.1	-3.8
4669.	26.	18.0	-3.9
4920.	23.	18.4	-4.3
5230.	26.	19.0	-4.6
5554.	36.	14.4	-4.9
5767.	45.	25.7	-5.3

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
69.	207.	0.7	-6.2
134.	203.	0.5	-6.7
225.	165.	0.5	-6.3
282.	232.	0.4	-6.0
353.	292.	0.5	-6.5
424.	10.	3.0	-7.0
490.	22.	6.1	-6.3
578.	28.	7.1	-5.7
643.	22.	7.1	-5.3
705.	18.	8.7	-5.1
796.	22.	8.9	-5.0
865.	27.	7.6	-4.8
954.	22.	6.8	-4.6
1025.	18.	5.5	-4.5
1108.	22.	5.5	-4.3
1230.	28.	5.3	-4.2
1251.	33.	5.0	-4.0
1329.	30.	5.5	-3.8
1423.	26.	5.5	-3.9
1500.	23.	5.6	-4.3
1594.	26.	5.8	-4.6
1693.	36.	4.4	-4.9
1758.	45.	7.8	-5.3

C-B PIBAL SOUNDING

TIME 715 DATE 10/23/78



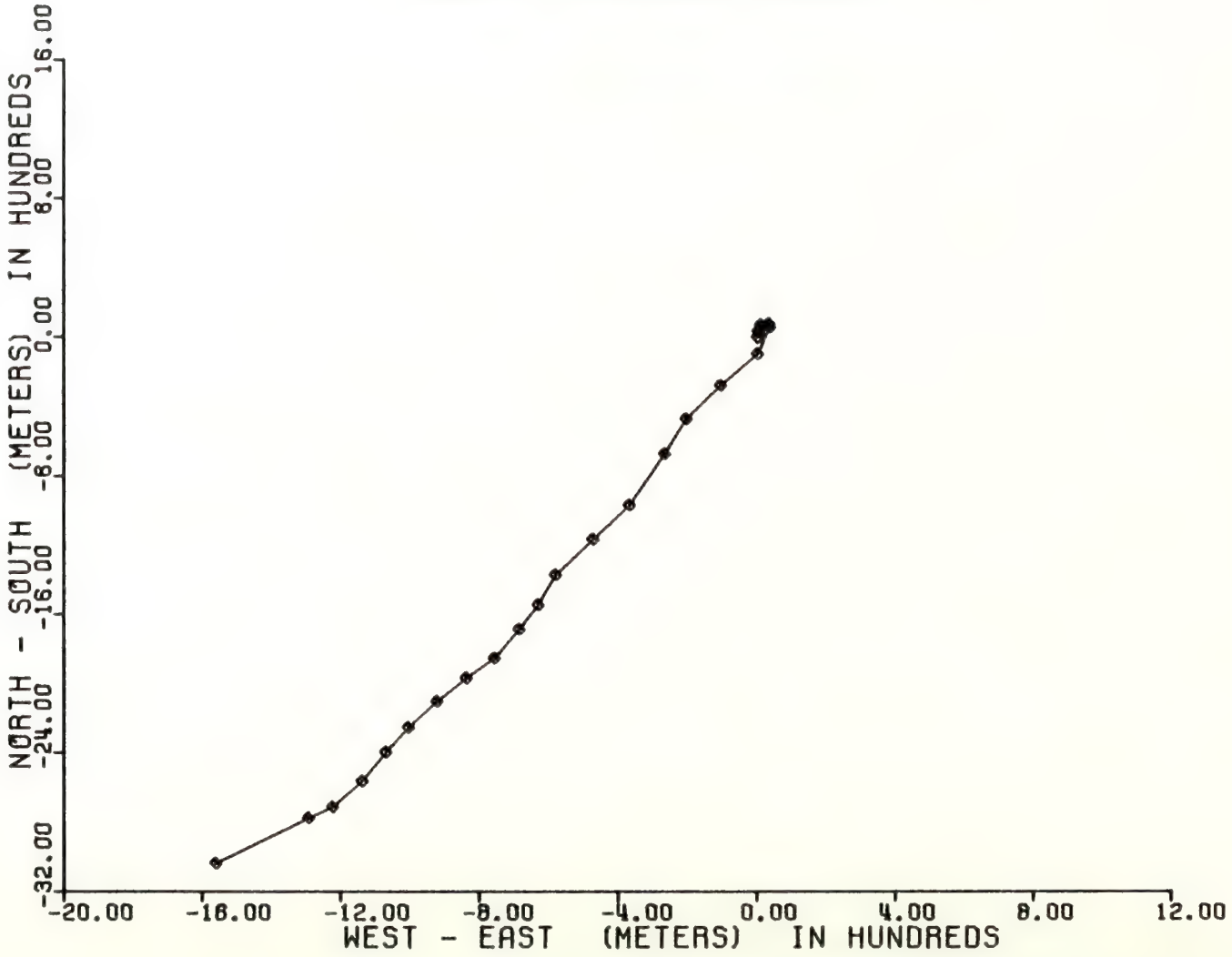


C-B PIBAL SOUNDING

TIME 715 DATE 10/23/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-23-78

BALLOON RELEASED 1415 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	88.1	17.0	46.3	1.8	10.5
1.0	101.1	37.2	51.5	7.7	9.4
1.5	107.1	40.2	54.2	11.7	8.3
2.0	110.0	46.2	55.6	14.4	7.3
2.5	103.6	46.5	55.2	14.9	6.9
3.0	98.1	50.2	53.3	15.6	6.8
3.5	91.4	56.2	51.2	16.9	6.9
4.0	74.2	66.0	47.2	19.2	6.9
4.5	64.2	68.7	45.9	20.1	7.0
5.0	46.8	71.7	42.9	21.9	6.9
5.5	24.1	72.0	40.0	23.4	6.7
6.0	3.1	70.6	36.1	25.2	6.5
6.5	345.0	67.5	32.2	26.8	6.3
7.0	332.9	63.5	27.3	28.5	6.1
7.5	325.1	59.0	23.0	29.5	5.9
8.0	318.5	55.0	18.3	30.9	5.7
8.5	312.3	51.8	12.6	32.6	5.5
9.0	307.0	49.7	6.9	34.7	5.3
9.5	299.2	47.7	1.3	36.9	5.3
10.0	293.0	45.6	354.7	39.1	5.3
10.5	287.5	43.8	347.0	41.5	5.3
11.0	282.5	42.2	339.1	43.2	5.3
11.5	279.4	40.7	330.3	43.9	5.0
12.0	277.4	39.6	325.5	43.9	4.7

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	21.9	5.0
2	9.7	5.8
3	75.3	6.3
4	8.7	6.6
5	10.3	6.9
6	25.7	6.9
7	13.7	6.9
8	0.7	7.0
9	34.9	7.1
10	16.7	7.3
11	5.0	7.5
12	32.3	7.8
13	9.5	8.0
14	38.9	8.4
15	5.7	8.7

16	35.7	9.1
17	25.7	9.6
18	15.3	10.2
19	29.8	10.4
20	40.8	10.8
21	49.5	11.5
22	15.4	12.0
23	50.0	13.1
24	80.2	13.5

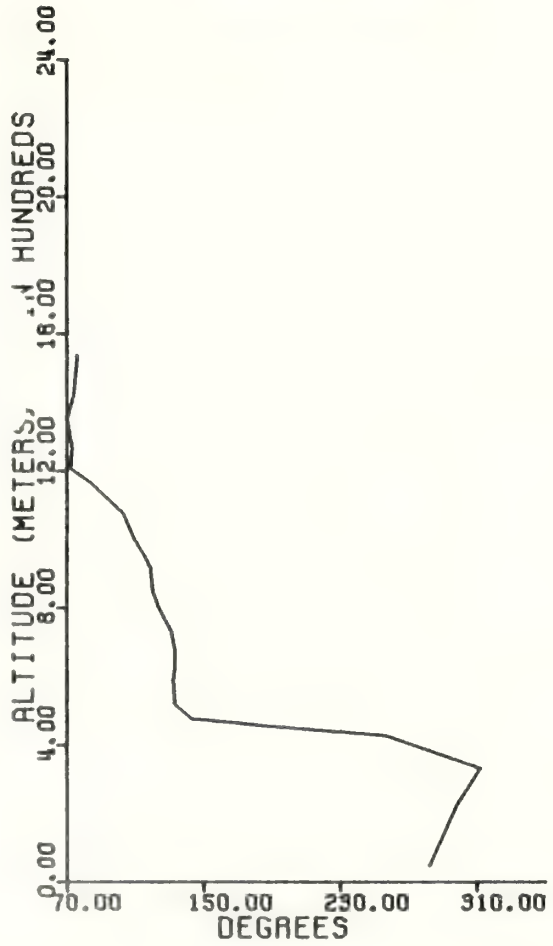
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
152.	282.	16.3	10.5
741.	298.	13.7	9.4
1098.	312.	6.8	8.3
1406.	257.	2.8	7.3
1501.	185.	4.7	6.9
1573.	143.	6.5	6.8
1711.	133.	10.3	6.9
1944.	132.	9.3	6.9
2044.	133.	6.7	7.0
2235.	133.	9.2	6.9
2410.	131.	10.8	6.7
2626.	124.	12.4	6.5
2796.	120.	14.2	6.3
3017.	119.	14.8	6.1
3140.	115.	15.1	5.9
3306.	109.	16.9	5.7
3535.	103.	18.1	5.5
3829.	84.	18.2	5.3
3965.	72.	20.0	5.3
4164.	73.	21.9	5.3
4445.	70.	22.9	5.3
4676.	74.	24.6	5.3
5039.	76.	20.8	5.0

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
46.	282.	5.0	10.5
226.	296.	4.2	9.4
335.	312.	2.1	8.3
429.	257.	0.9	7.3
458.	185.	1.4	6.9
479.	143.	2.0	6.8
522.	133.	3.1	6.9
593.	132.	2.8	6.9
623.	133.	2.0	7.0
681.	133.	2.8	6.9
735.	131.	3.3	6.7
800.	124.	3.8	6.5
852.	120.	4.3	6.3
920.	119.	4.5	6.1
957.	115.	4.6	5.9
1008.	109.	5.2	5.7
1078.	103.	5.5	5.5
1167.	84.	5.5	5.3
1208.	72.	6.1	5.3
1269.	73.	6.7	5.3
1355.	70.	7.0	5.3
1425.	74.	7.5	5.3
1536.	76.	6.3	5.0

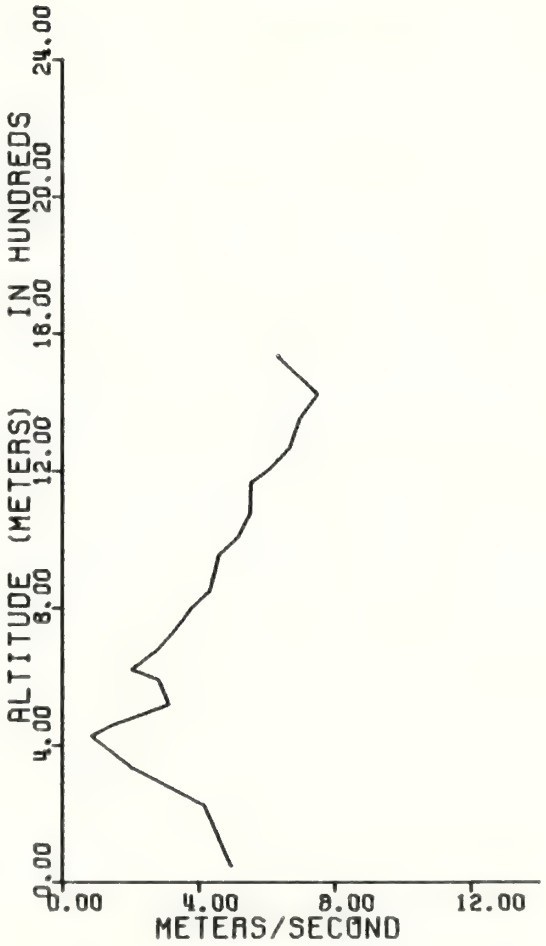
C-B PIBAL SOUNDING

TIME 1415 DATE 10/23/78

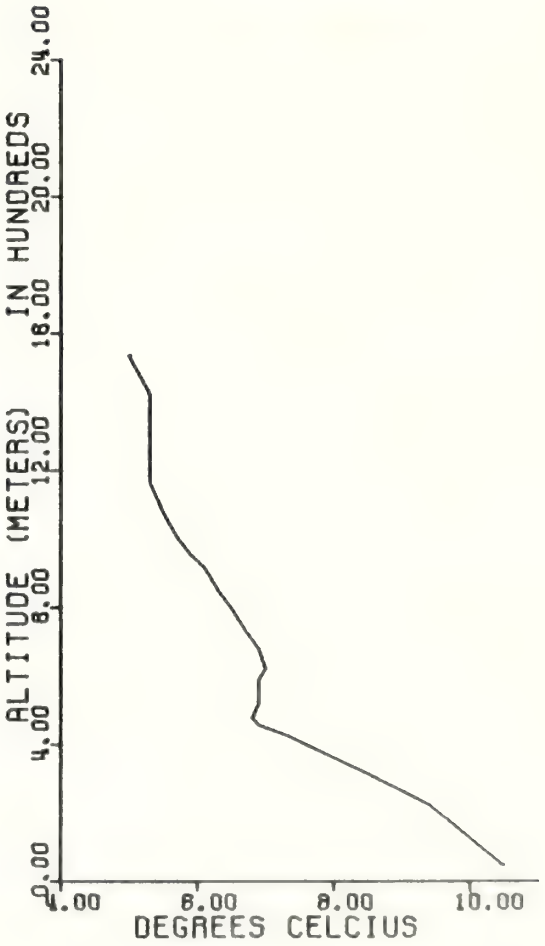
WIND DIRECTION



WIND SPEED



TEMPERATURE

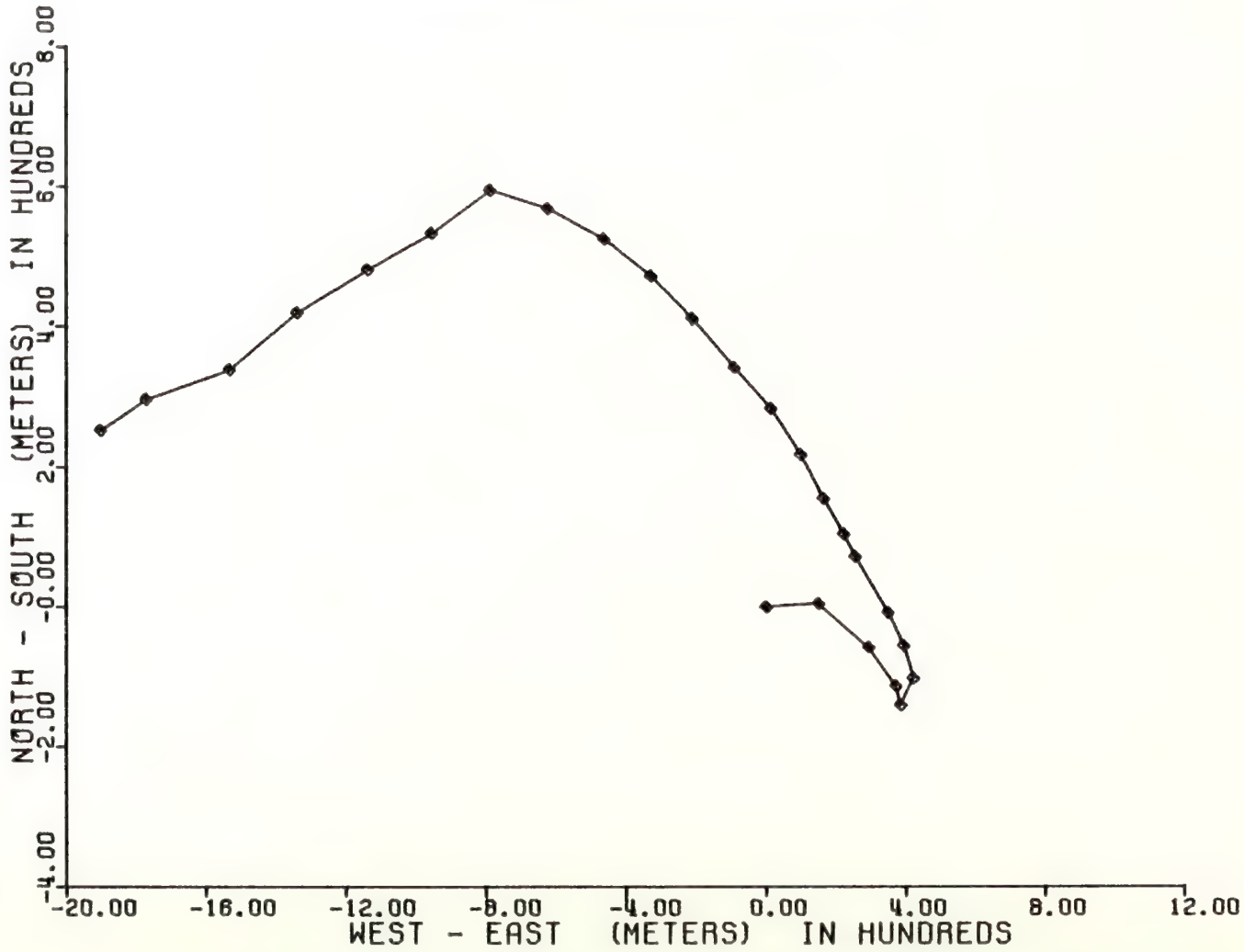


C-B PIBAL SOUNDING

TIME 1415 DATE 10/23/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-25-78

BALLOON RELEASED 730 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	108.1	18.7	49.1	2.1	-2.1
1.0	111.0	16.4	52.8	2.9	-2.7
1.5	115.7	15.3	58.8	4.2	-3.2
2.0	120.0	15.0	63.6	5.7	-3.6
2.5	124.4	15.3	67.5	6.5	-4.0
3.0	126.0	14.8	71.5	7.1	-4.4
3.5	128.3	14.9	75.5	8.1	-4.8
4.0	130.0	15.5	78.8	9.2	-5.2
4.5	132.7	15.9	84.9	10.6	-5.6
5.0	135.5	15.9	89.3	11.4	-6.0
5.5	138.4	15.7	94.1	12.2	-6.1
6.0	142.5	15.1	102.6	13.9	-6.2
6.5	145.7	16.1	109.2	14.8	-6.3
7.0	148.6	15.9	115.4	15.3	-7.0
7.5	150.8	15.5	121.7	15.4	-7.8
8.0	151.6	14.9	124.7	15.1	-8.2
8.5	151.7	14.5	127.3	14.5	-8.3
9.0	151.8	14.0	129.0	14.2	-8.4
9.5	151.6	13.7	130.0	13.9	-8.5
10.0	151.1	13.3	131.0	13.5	-8.6
10.5	150.1	13.2	131.1	13.2	-8.7
11.0	150.0	13.2	130.9	13.0	-8.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	21.4	5.0
2	22.0	5.5
3	28.0	6.2
4	13.2	6.8
5	7.9	7.2
6	17.0	7.7
7	9.6	8.3
8	6.4	8.7
9	23.1	9.7
10	32.6	10.3
11	26.9	11.0
12	78.5	12.5
13	53.3	13.8
14	71.7	15.2
15	95.8	17.3
16	80.8	18.6
17	142.0	20.3

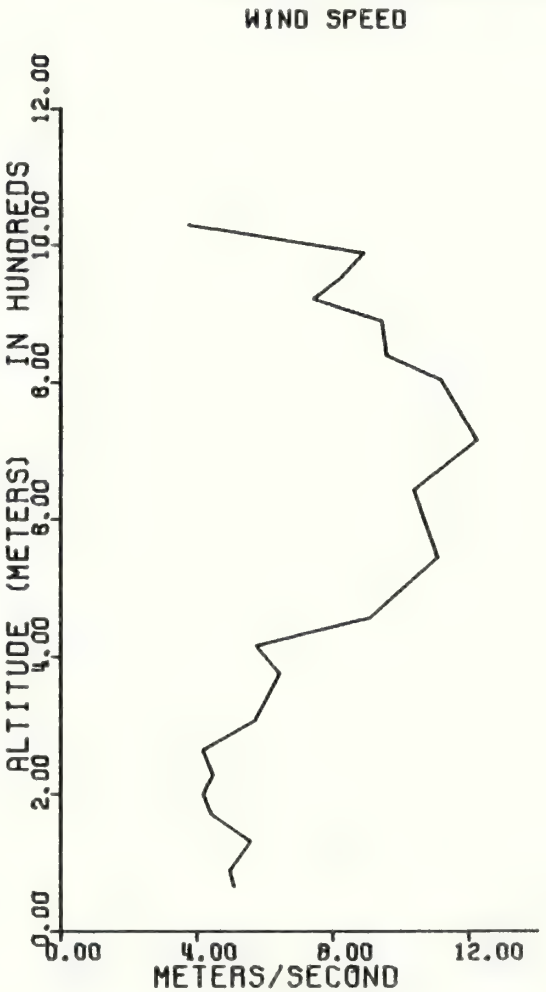
18	112.9	21.7
19	114.9	22.8
20	111.4	24.4
21	148.8	25.8
22	196.2	25.7

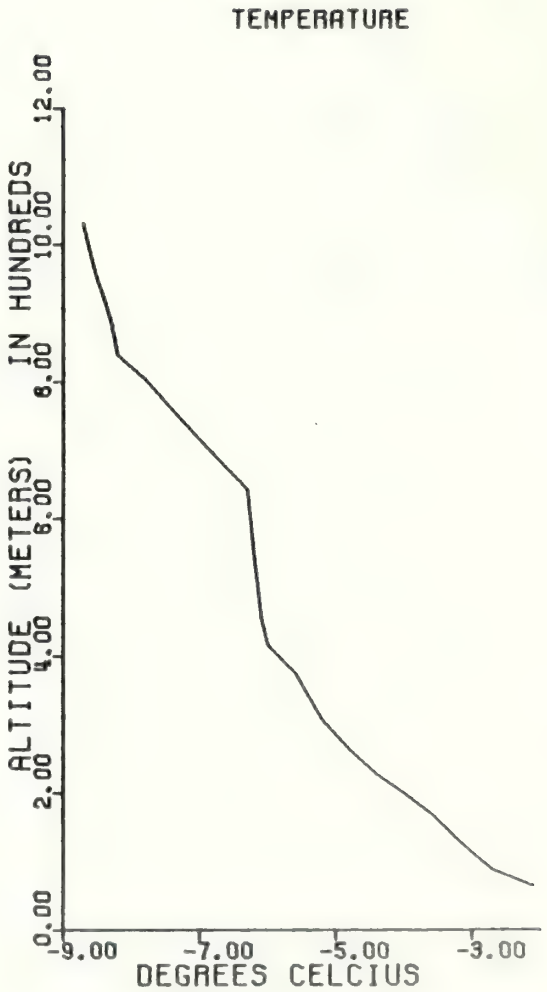
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
213.	292.	16.7	-2.1
292.	301.	16.3	-2.7
432.	309.	18.3	-3.2
561.	321.	14.5	-3.6
660.	322.	13.7	-4.0
749.	320.	14.7	-4.4
870.	325.	13.7	-4.8
1009.	326.	18.7	-5.2
1235.	332.	21.1	-5.6
1366.	342.	18.8	-6.0
1502.	342.	29.8	-6.1
1791.	344.	36.3	-6.2
2113.	349.	34.0	-6.3
2351.	347.	40.1	-7.0
2640.	344.	36.6	-7.8
2757.	337.	31.4	-8.2
2920.	333.	30.9	-8.3
3026.	331.	24.3	-8.4
3118.	326.	26.8	-8.5
3246.	319.	29.2	-8.6
3382.	309.	12.4	-8.7

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
65.	292.	5.1	-2.1
89.	301.	5.0	-2.7
132.	309.	5.6	-3.2
171.	321.	4.4	-3.6
201.	322.	4.2	-4.0
228.	320.	4.5	-4.4
265.	325.	4.2	-4.8
308.	326.	5.7	-5.2
376.	332.	6.4	-5.6
416.	342.	5.7	-6.0
458.	342.	9.1	-6.1
546.	344.	11.1	-6.2
644.	349.	10.4	-6.3
717.	347.	12.2	-7.0
805.	344.	11.2	-7.8
840.	337.	9.6	-8.2
890.	333.	9.4	-8.3
922.	331.	7.4	-8.4
950.	326.	8.2	-8.5
989.	319.	8.9	-8.6
1031.	309.	3.8	-8.7

C-B PIBAL SOUNDING

TIME 730 DATE 10/25/78



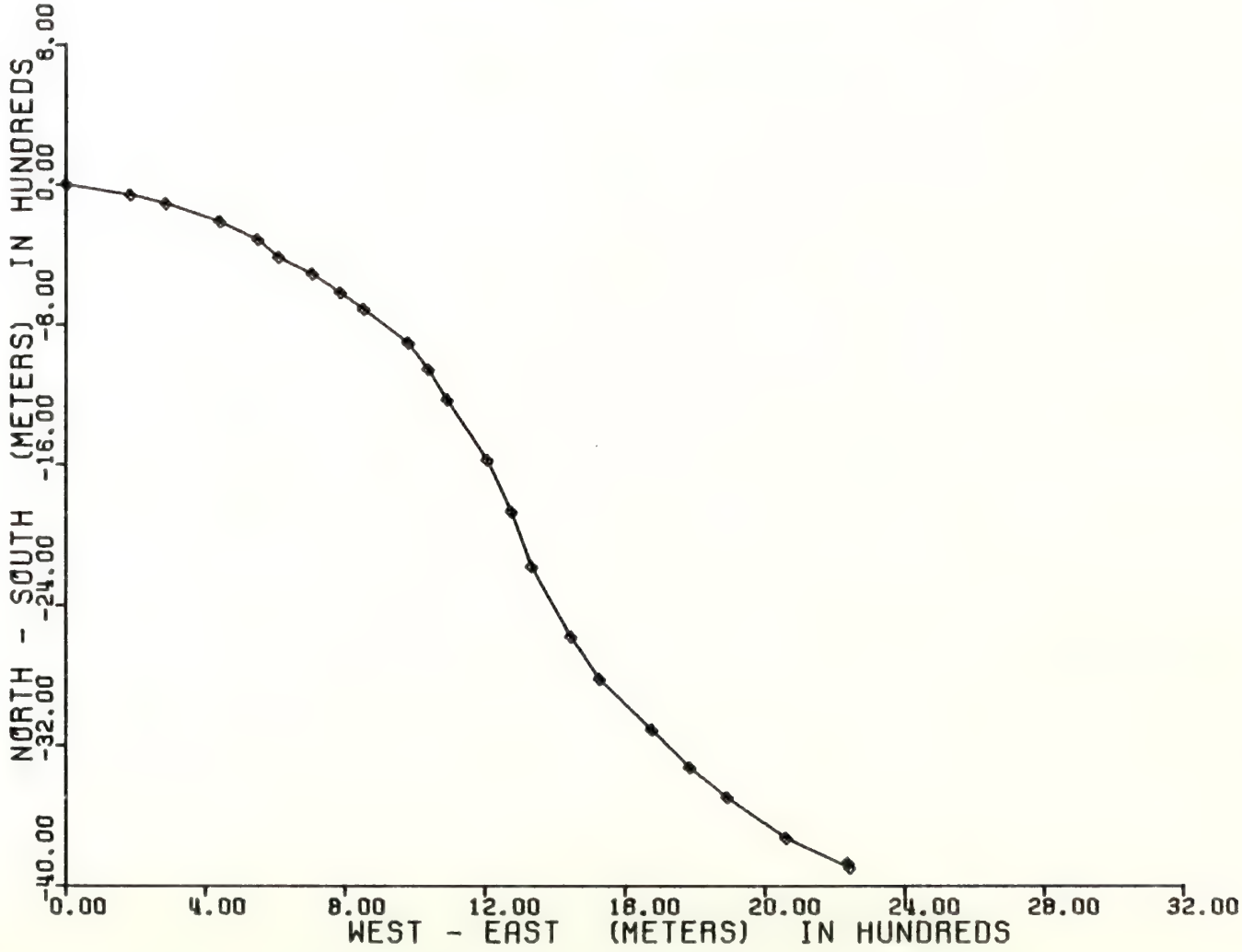


C-B PIBAL SOUNDING

TIME 730 DATE 10/25/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-b PIBAL SOUNDING

DATE: 10/25/78 TIME: 1315

Data not reduced theodolite #2 not operational.

C-B PIBAL SOUNDING

SOUNDING DATE 10-27-78

BALLOON RELEASED 730 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	290.0	32.0	39.0	2.3	0.4
1.0	298.1	51.3	38.9	5.3	3.0
1.5	301.1	63.3	38.9	7.9	4.5
2.0	325.0	62.5	36.6	11.2	4.9
2.5	336.3	61.4	35.5	13.5	5.3
3.0	339.8	60.5	34.5	15.7	5.3
3.5	343.0	60.9	33.9	16.9	4.7
4.0	339.5	57.2	30.9	19.2	4.5
4.5	336.3	56.8	28.8	20.9	4.5
5.0	336.4	57.3	28.7	22.6	4.5
5.5	336.3	61.8	30.0	25.0	4.5
6.0	331.1	69.2	31.6	28.5	4.5
6.5	323.1	74.7	33.8	31.7	4.1
7.0	302.0	81.7	37.9	35.1	3.8
7.5	248.7	83.5	43.1	38.2	3.5
8.0	182.5	78.6	50.5	41.6	3.1
8.5	164.1	68.5	63.3	44.2	2.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	2.3	4.4
2	39.3	4.6
3	27.5	4.8
4	5.9	5.4
5	6.1	5.8
6	13.6	6.2
7	14.9	6.5
8	1.3	7.0
9	34.8	7.4
10	31.8	7.7
11	64.2	7.8
12	34.2	7.9
13	73.9	7.9
14	97.7	8.0
15	222.5	8.0
16	100.7	8.4
17	112.9	9.0

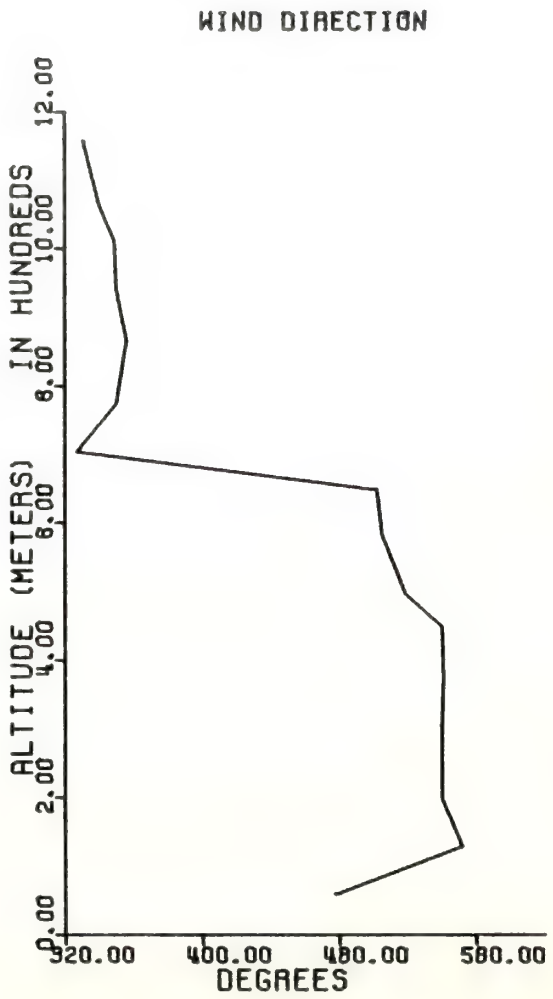
HEIGHT	DIRECTION	SPEED	TEMP
FEET	DEGREES	FT/SEC	DEG C

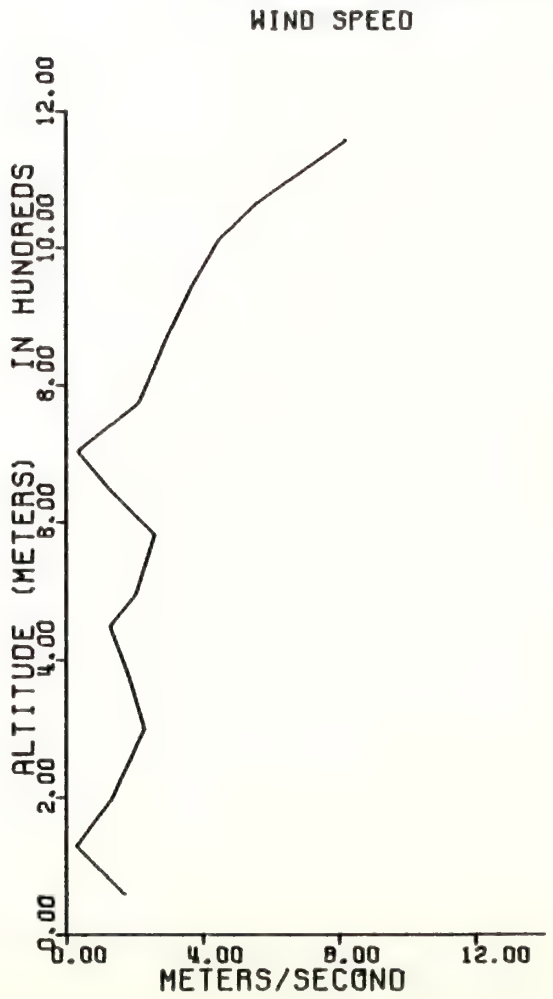
195.	118.	5.6	0.4
425.	192.	1.0	3.0
656.	180.	4.4	4.5
989.	180.	7.5	4.9
1238.	181.	6.0	5.3
1476.	180.	4.2	5.3
1631.	159.	6.7	4.7
1916.	145.	8.5	4.5
2130.	142.	4.2	4.5
2313.	327.	1.1	4.5
2545.	350.	7.0	4.5
2847.	356.	9.6	4.5
3094.	350.	12.0	4.1
3323.	349.	14.7	3.8
3494.	340.	18.2	3.5
3795.	331.	26.8	3.1

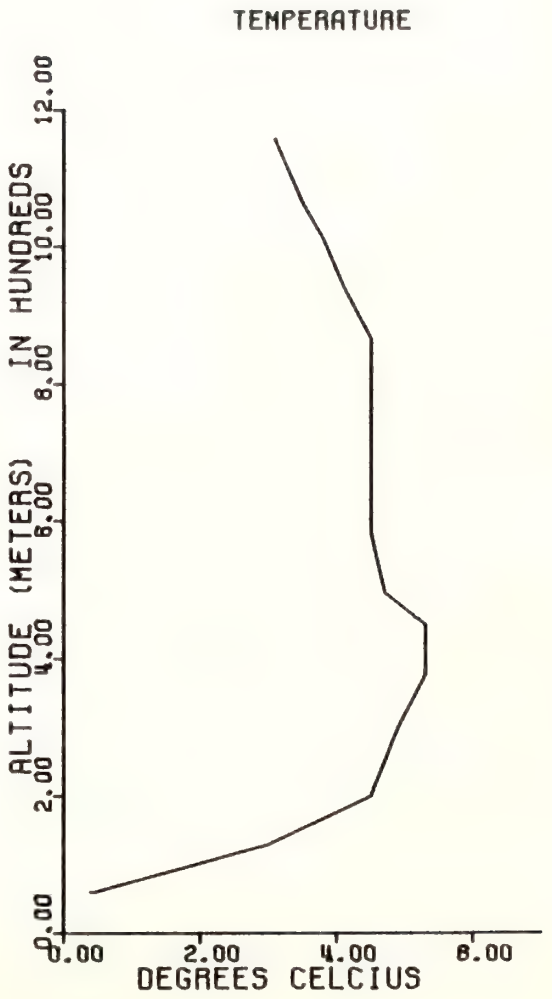
HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
59.	118.	1.7	0.4
130.	192.	0.3	3.0
200.	180.	1.3	4.5
301.	180.	2.3	4.9
377.	181.	1.8	5.3
450.	180.	1.3	5.3
497.	159.	2.0	4.7
584.	145.	2.6	4.5
649.	142.	1.3	4.5
705.	327.	0.3	4.5
776.	350.	2.1	4.5
868.	356.	2.9	4.5
943.	350.	3.7	4.1
1013.	349.	4.5	3.8
1065.	340.	5.5	3.5
1157.	331.	8.2	3.1

C-B PIBAL SOUNDING

TIME 730 DATE 10/27/78





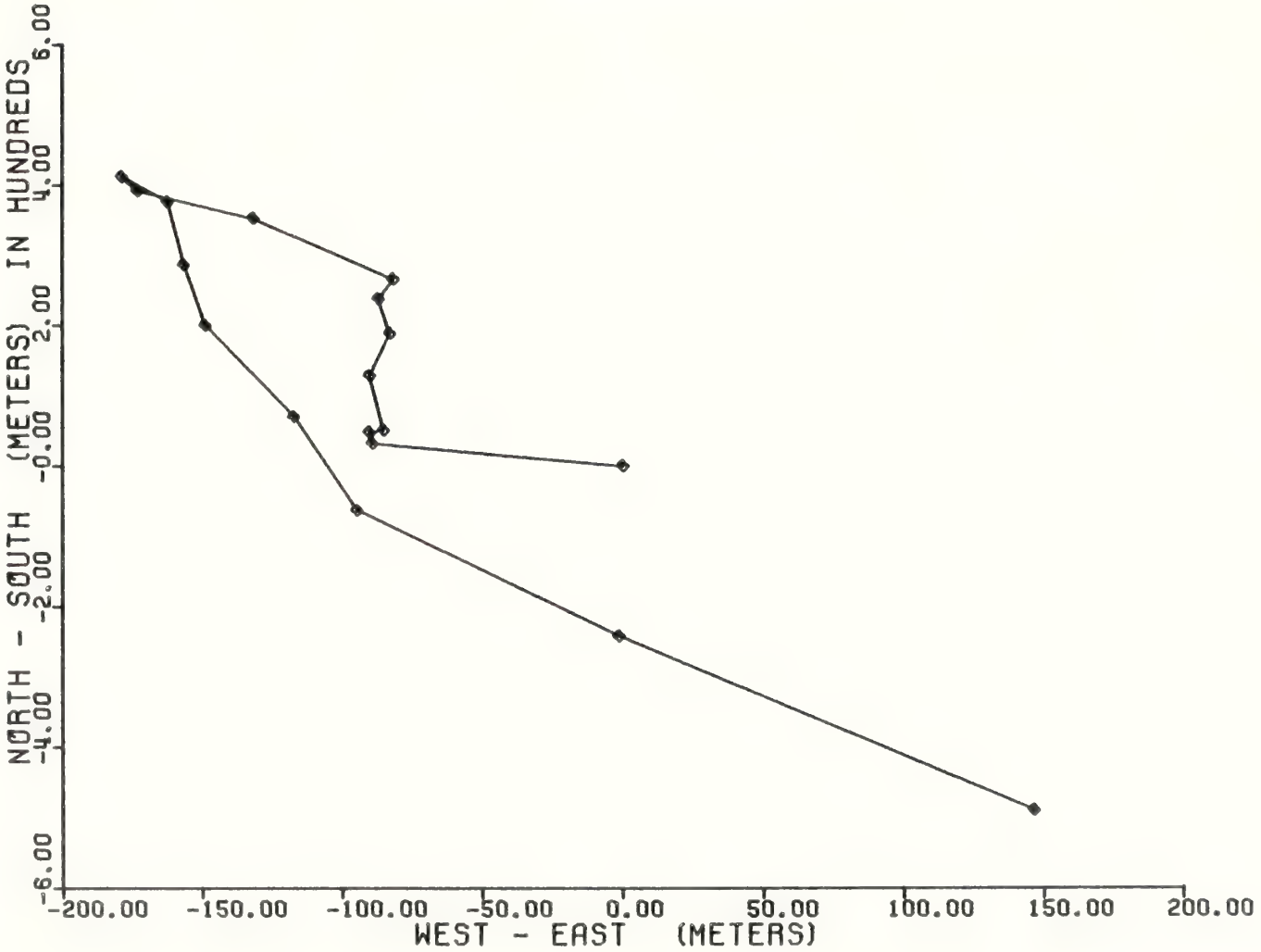


C-8 PIBAL SOUNDING

TIME 730 DATE 10/27/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-27-78

BALLOON RELEASED 1300 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	143.0	42.2	46.2	2.9	17.5
1.0	146.1	36.0	49.9	5.4	16.1
1.5	141.1	34.2	53.6	7.4	14.7
2.0	141.5	38.4	55.4	10.1	14.1
2.5	141.8	39.7	57.5	11.9	13.5
3.0	143.3	43.5	61.3	16.9	12.9
3.5	141.9	46.6	62.4	19.8	12.4
4.0	143.6	51.1	61.8	22.7	11.8
4.5	152.5	53.1	61.6	24.8	11.2
5.0	155.5	56.4	60.4	27.0	10.7
5.5	156.4	58.6	60.0	27.9	10.1
6.0	168.1	62.0	57.5	30.8	9.5
6.5	171.7	67.0	51.5	35.3	9.0
7.0	203.3	68.8	48.1	36.9	8.6
7.5	216.7	69.9	44.3	38.8	8.3
8.0	244.3	70.1	35.7	40.0	8.0
8.5	265.3	70.0	31.0	39.4	7.6
9.0	290.7	69.3	26.7	37.6	7.3
9.5	316.9	66.1	23.7	36.2	7.0
10.0	321.8	64.5	22.8	35.5	6.6
10.5	328.8	62.3	21.6	35.4	6.3
11.0	341.1	61.3	24.0	34.3	6.0
11.5	351.5	60.4	25.9	33.6	5.7
12.0	357.5	59.3	27.4	33.2	3.3

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	25.1	4.5
2	0.2	4.8
3	3.0	5.2
4	2.4	5.4
5	19.4	5.7
6	20.0	6.2
7	10.4	6.6
8	7.6	6.7
9	0.1	6.6
10	20.3	6.7
11	16.3	6.8
12	1.0	6.7
13	299.6	7.0
14	5.8	6.8
15	5.9	6.9
16	19.8	7.2

16	19.8	7.2
17	16.6	7.6
18	6.2	8.2
19	8.5	9.3
20	3.2	9.6
21	10.7	10.3
22	63.0	10.8
23	49.7	11.4
24	94.2	11.8

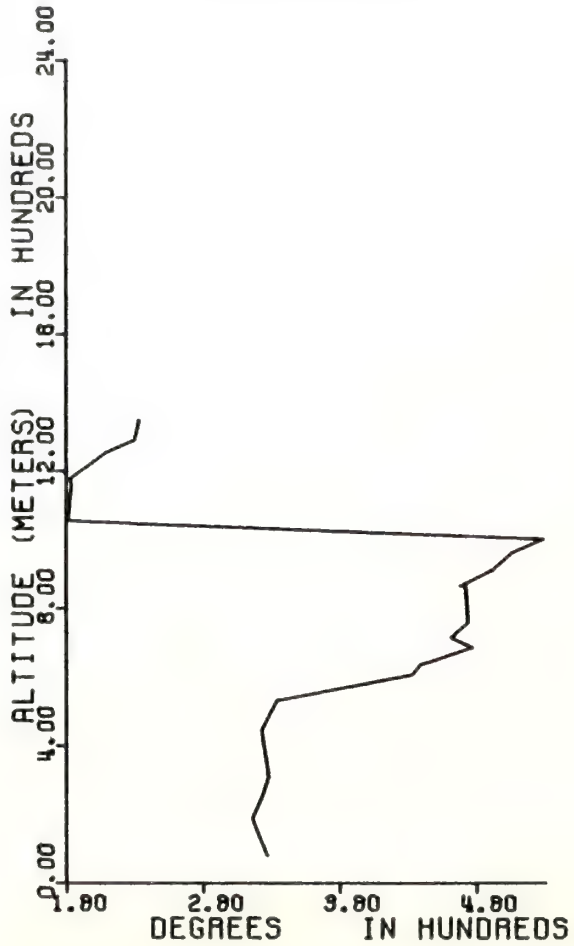
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
266.	327.	10.4	17.5
452.	321.	10.5	16.1
628.	316.	7.6	14.7
854.	324.	5.3	14.1
1024.	328.	8.0	13.5
1467.	323.	7.0	12.9
1749.	334.	0.9	12.4
1997.	73.	5.2	11.8
2094.	79.	5.7	11.2
2260.	117.	2.7	10.7
2356.	101.	5.8	10.1
2496.	114.	8.9	9.5
2843.	112.	12.7	9.0
2846.	108.	12.9	8.6
2995.	131.	13.3	8.3
3169.	146.	15.8	8.0
3295.	169.	16.2	7.6
3465.	181.	22.3	7.3
3821.	184.	16.5	7.0
3875.	183.	10.2	6.6
4121.	209.	13.9	6.3
4245.	230.	16.3	6.0
4419.	233.	13.3	5.7

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
81.	327.	3.2	17.5
138.	321.	3.2	16.1
191.	316.	2.3	14.7
260.	324.	1.6	14.1
312.	328.	2.4	13.5
447.	323.	2.1	12.9
533.	334.	0.3	12.4
609.	73.	1.6	11.8
638.	79.	1.7	11.2
689.	117.	0.8	10.7
718.	101.	1.8	10.1
761.	114.	2.7	9.5
867.	112.	3.9	9.0
868.	108.	3.9	8.6
913.	131.	4.1	8.3
966.	146.	4.8	8.0
1004.	169.	4.9	7.6
1056.	181.	6.8	7.3
1165.	184.	5.0	7.0
1181.	183.	3.1	6.6
1256.	209.	4.2	6.3
1294.	230.	5.0	6.0
1347.	233.	4.1	5.7

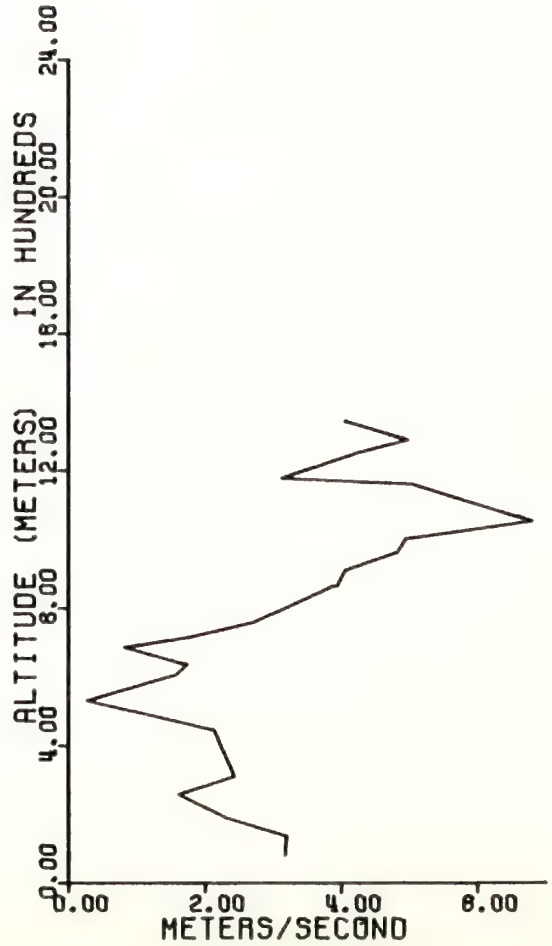
C-B PIBAL SOUNDING

TIME 1300 DATE 10/27/78

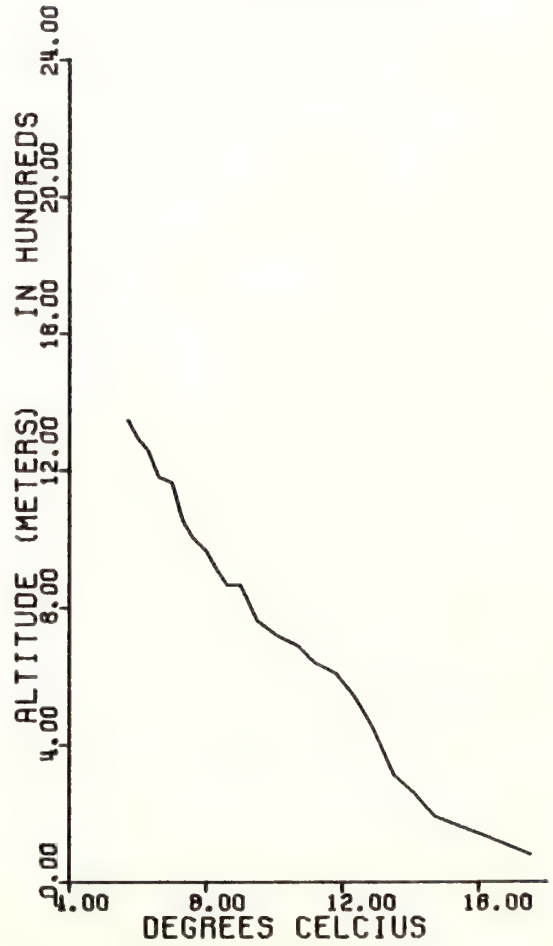
WIND DIRECTION



WIND SPEED



TEMPERATURE

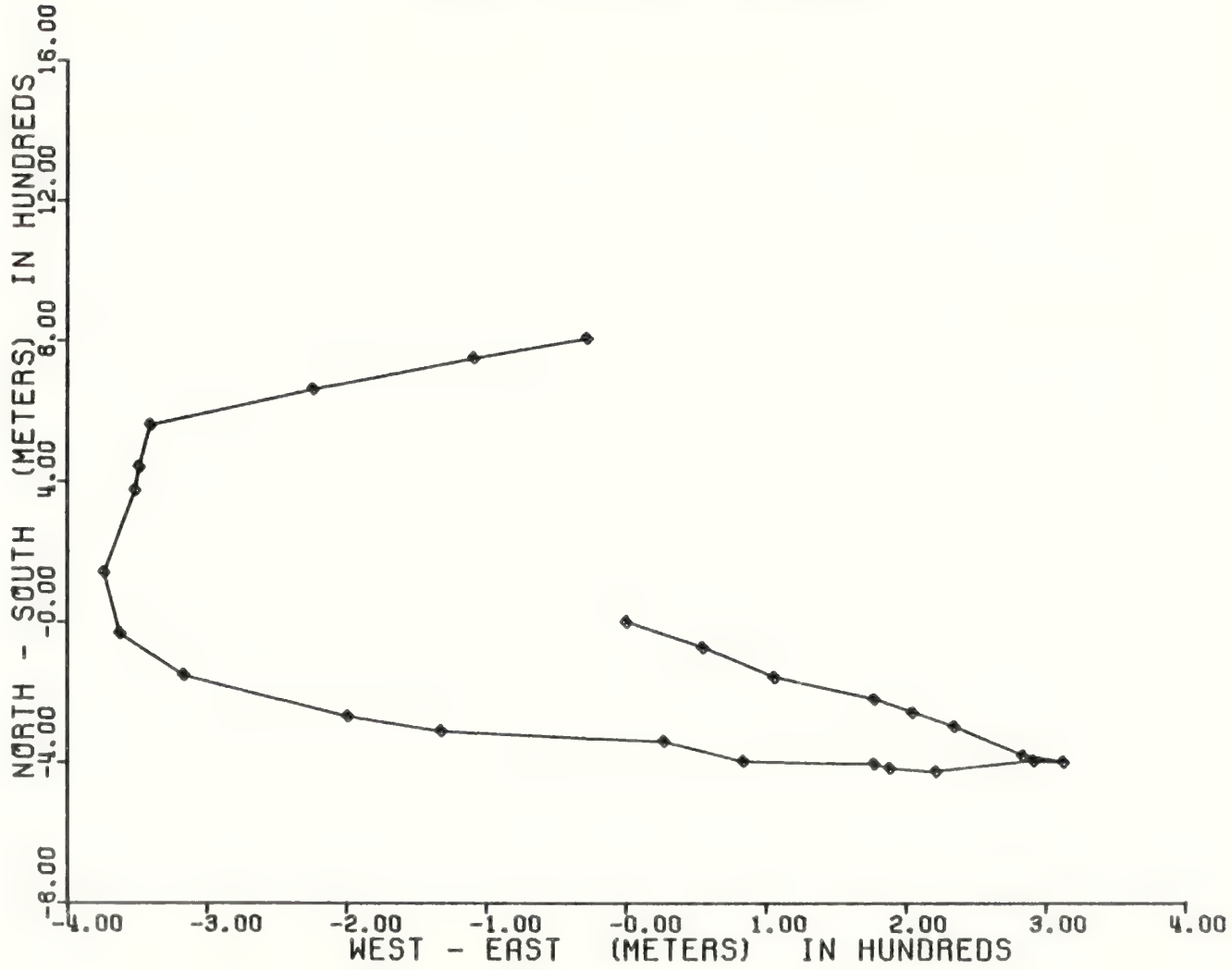


C-B PIBAL SOUNDING

TIME 1300 DATE 10/27/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-30-78

BALLOON RELEASED 645 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	35.1	46.4	42.3	1.9	0.0
1.0	50.0	55.0	42.7	3.8	0.0
1.5	55.1	56.4	43.4	5.5	0.0
2.0	60.0	58.1	43.9	6.9	-0.1
2.5	61.4	62.0	43.9	8.8	-0.1
3.0	55.1	64.6	43.5	10.2	-0.2
3.5	50.1	66.5	43.0	11.5	-0.2
4.0	54.5	69.2	43.8	13.1	-0.2
4.5	66.1	75.6	44.1	15.2	-0.3
5.0	103.3	83.4	44.3	17.2	-0.3
5.5	166.9	83.8	44.8	19.4	-0.4
6.0	202.8	77.0	44.5	22.1	0.6
6.5	219.2	69.3	42.8	25.4	1.7
7.0	228.0	66.0	41.1	28.2	2.7
7.5	237.5	69.7	39.2	29.0	3.8
8.0	264.7	76.3	37.6	28.3	4.8
8.5	301.5	78.3	36.3	27.6	4.4
9.0	337.1	75.8	35.4	27.0	4.1
9.5	354.1	67.6	33.9	26.0	3.7
10.0	2.2	61.3	32.8	25.3	3.4
10.5	7.3	55.0	31.9	24.7	3.0
11.0	11.0	50.9	31.3	24.0	2.7
11.5	13.9	46.5	30.7	23.6	2.4
12.0	14.2	43.4	30.1	22.8	2.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	3.8	4.5
2	13.7	4.8
3	7.8	5.0
4	7.6	5.2
5	12.8	5.4
6	7.0	5.6
7	16.1	5.7
8	22.0	5.9
9	0.8	5.9
10	0.1	5.8
11	39.4	5.8
12	13.9	5.8
13	20.9	5.7
14	5.7	5.8

15	17.2	6.1
16	13.2	6.5
17	6.4	6.9
18	30.0	7.4
19	6.6	8.0
20	3.7	8.8
21	13.5	9.7
22	31.0	10.5
23	39.8	11.6
24	25.8	12.2

HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
172.	229.	4.0	0.0
342.	252.	3.1	0.0
503.	255.	2.8	0.0
637.	260.	1.7	-0.1
813.	202.	1.1	-0.1
951.	168.	1.6	-0.2
1079.	236.	0.3	-0.2
1234.	10.	2.7	-0.2
1403.	34.	6.3	-0.3
1522.	40.	7.2	-0.3
1668.	43.	8.0	-0.4
1802.	53.	10.7	0.6
1941.	66.	9.7	1.7
2088.	119.	4.4	2.7
2233.	192.	9.6	3.8
2371.	200.	12.6	4.8
2484.	204.	12.3	4.4
2621.	200.	15.2	4.1
2747.	198.	17.0	3.7
2892.	201.	18.0	3.4
3076.	203.	17.9	3.0
3206.	205.	19.5	2.7
3446.	201.	18.1	2.4

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
53.	229.	1.2	0.0
104.	252.	0.9	0.0
153.	255.	0.9	0.0
194.	260.	0.5	-0.1
248.	202.	0.3	-0.1
290.	168.	0.5	-0.2
329.	236.	0.1	-0.2
376.	10.	0.8	-0.2
428.	34.	1.9	-0.3
464.	40.	2.2	-0.3
508.	43.	2.4	-0.4
549.	53.	3.3	0.6
592.	66.	3.0	1.7
637.	119.	1.3	2.7
681.	192.	2.9	3.8
723.	200.	3.8	4.8
757.	204.	3.7	4.4
799.	200.	4.6	4.1
837.	198.	5.2	3.7
881.	201.	5.5	3.4
937.	203.	5.5	3.0
977.	205.	5.9	2.7

C-B PIBAL SOUNDING

TIME 645 DATE 10/30/78

WIND SPEED

WIND DIRECTION

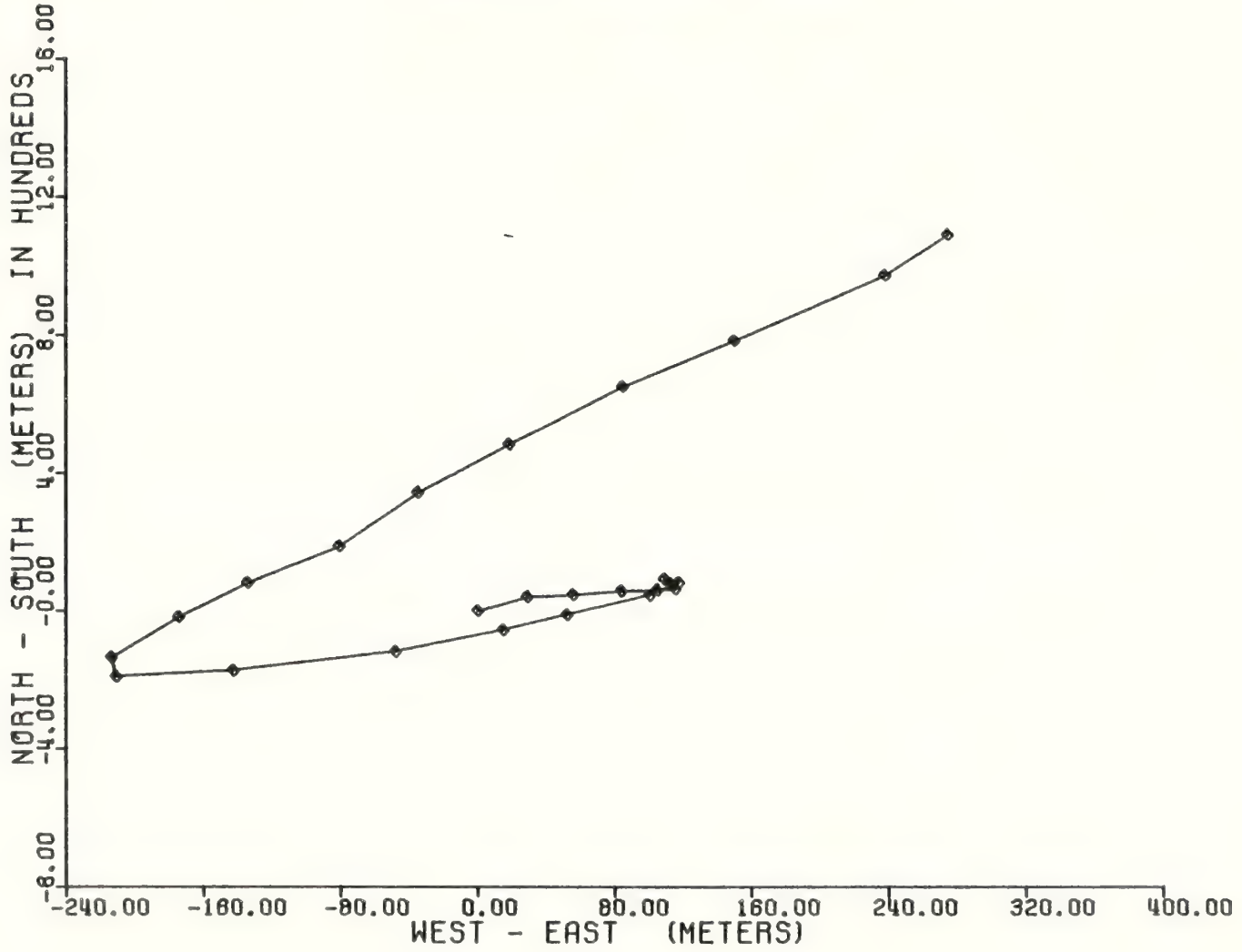
TEMPERATURE

C-B PIBAL SOUNDING

TIME 645 DATE 10/30/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-30-78

BALLOON RELEASED 1340 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	112.1	48.0	45.0	3.1	10.4
1.0	109.3	47.3	47.5	6.0	8.3
1.5	108.0	44.6	50.0	8.2	7.4
2.0	107.0	43.6	51.6	9.6	6.6
2.5	112.3	46.4	53.4	12.3	6.6
3.0	120.0	50.6	53.7	14.2	6.7
3.5	124.3	56.4	53.0	16.3	6.7
4.0	120.0	59.7	51.9	17.8	6.8
4.5	94.5	63.8	49.2	18.4	8.7
5.0	70.1	62.6	46.3	19.0	8.2
5.5	48.4	58.4	42.9	19.6	7.8
6.0	35.1	54.4	39.4	20.1	7.4
6.5	25.9	50.8	36.4	20.6	7.0
7.0	18.9	46.7	33.4	20.9	6.4
7.5	14.9	43.6	30.7	21.3	5.9
8.0	9.9	41.0	28.0	21.6	5.4
8.5	6.8	39.2	25.1	21.9	4.8
9.0	3.2	37.8	22.6	22.1	4.3
9.5	2.0	34.8	20.2	21.9	3.8
10.0	0.1	32.7	17.8	21.5	3.2
10.5	359.3	31.0	16.6	21.3	2.7
11.0	358.2	29.0	14.7	21.0	2.2
11.5	357.5	28.8	12.8	20.4	1.7
12.0	357.1	27.9	11.6	20.2	1.2

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	13.0	4.6
2	12.8	5.0
3	14.7	5.5
4	13.7	5.8
5	28.0	6.1
6	39.8	.6.1
7	46.6	6.1
8	91.4	6.3
9	64.6	6.7
10	93.1	7.2
11	95.7	7.9
12	131.3	8.6
13	123.6	9.4
14	94.2	10.3
15	101.4	11.3

16	30.8	12.1
17	76.7	13.2
18	56.8	13.8
19	22.3	15.5
20	24.4	16.7
21	60.4	17.8
22	135.3	19.3
23	126.6	20.5
24	143.7	21.9

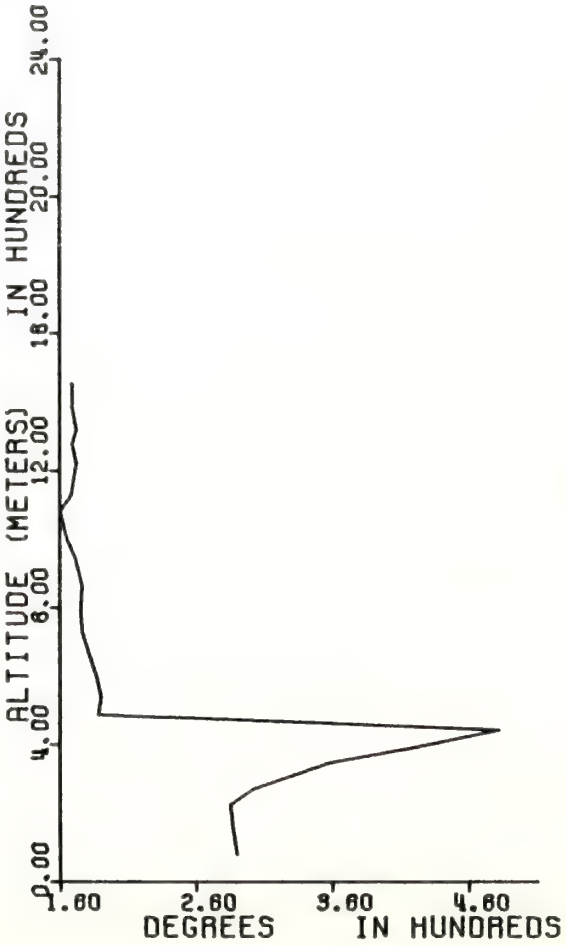
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
265.	290.	8.1	10.4
528.	287.	8.6	8.3
743.	285.	7.5	7.4
892.	302.	5.6	6.6
1143.	358.	4.2	6.6
1287.	58.	4.1	6.7
1458.	122.	2.3	6.7
1603.	188.	8.1	6.8
1779.	190.	13.7	8.7
1958.	187.	16.3	8.2
2190.	181.	17.9	7.8
2399.	176.	17.4	7.4
2616.	175.	18.9	7.0
2838.	176.	20.7	6.4
3105.	171.	20.0	5.9
3289.	165.	20.4	5.4
3558.	160.	18.8	4.8
3707.	168.	24.2	4.3
4017.	172.	29.6	3.8
4199.	169.	23.4	3.2
4330.	172.	26.2	2.7
4556.	169.	27.3	2.2
4769.	169.	24.5	1.7

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
81.	290.	2.5	10.4
161.	287.	2.6	8.3
227.	285.	2.3	7.4
272.	302.	1.7	6.6
349.	358.	1.3	6.6
392.	58.	1.2	6.7
444.	122.	0.7	6.7
488.	188.	2.5	6.8
542.	190.	4.2	8.7
597.	187.	5.0	8.2
667.	181.	5.5	7.8
731.	176.	5.3	7.4
797.	175.	5.8	7.0
865.	176.	6.3	6.4
946.	171.	6.1	5.9
1002.	165.	6.2	5.4
1085.	160.	5.7	4.8
1130.	168.	7.4	4.3
1224.	172.	9.0	3.8
1280.	169.	7.1	3.2
1320.	172.	8.0	2.7
1389.	169.	8.3	2.2
1454.	169.	7.5	1.7

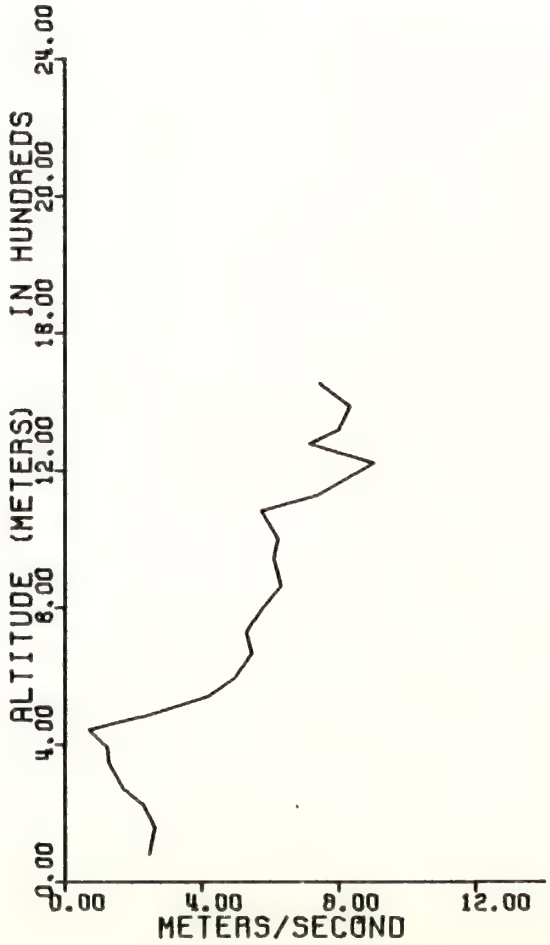
C-B PIBAL SOUNDING

TIME 1340 DATE 10/30/78

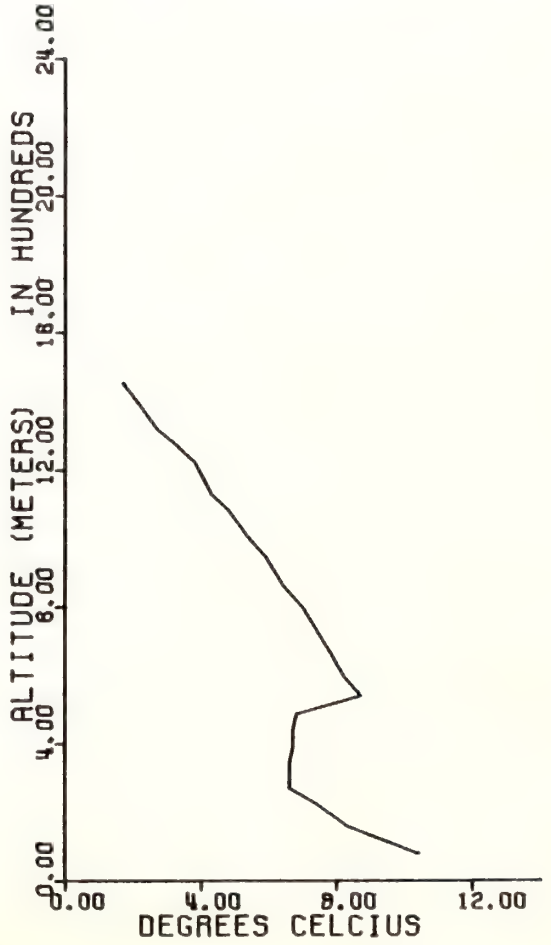
WIND DIRECTION



WIND SPEED



TEMPERATURE

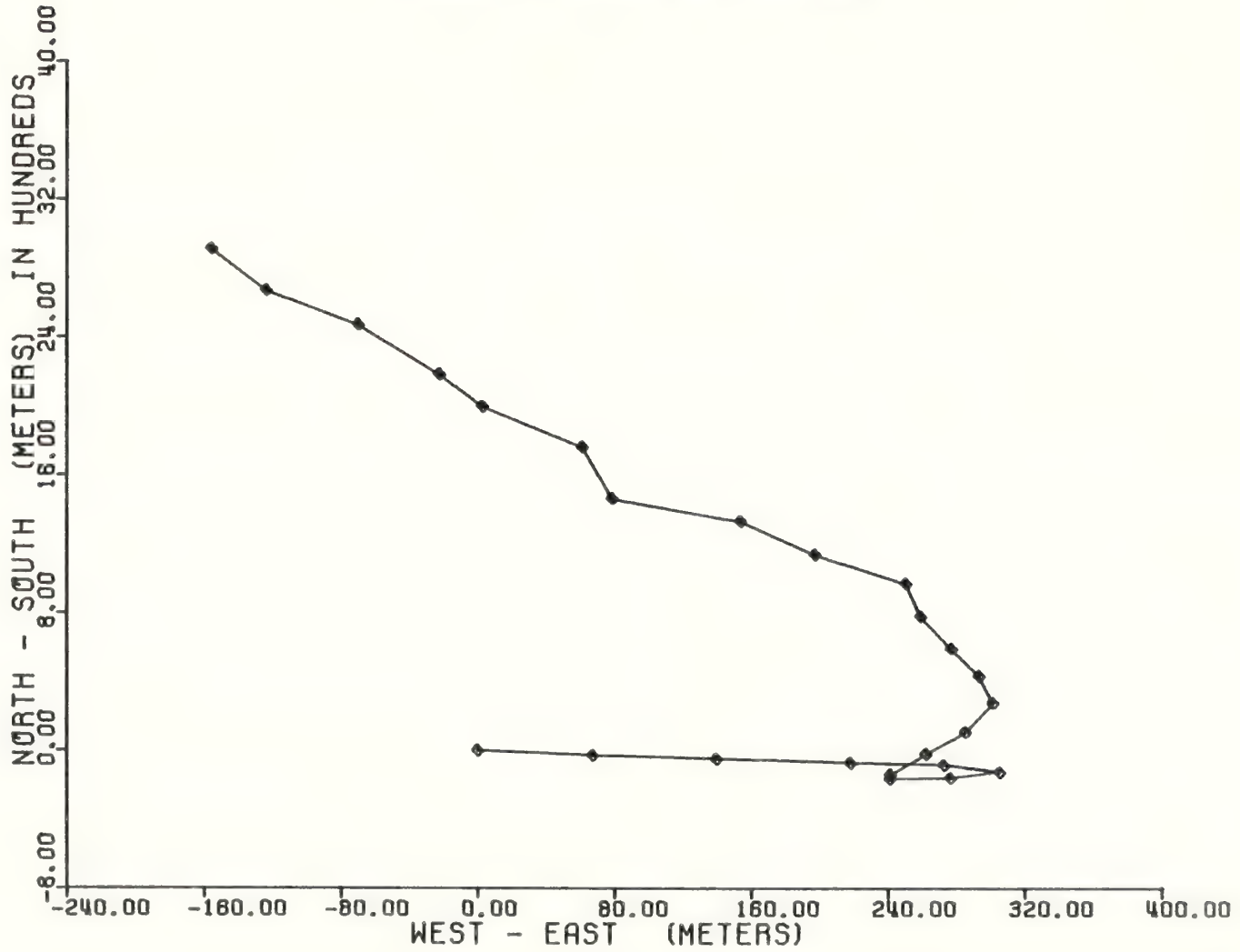


C-B PIBAL SOUNDING

TIME 1340 DATE 10/30/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 10-31-78

BALLOON RELEASED 700 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	290.0	24.0	37.3	2.0	1.9
1.0	298.0	26.0	33.1	4.4	2.6
1.5	229.2	28.2	30.4	6.5	3.2
2.0	233.6	28.7	26.1	8.5	3.9
2.5	317.3	26.9	20.0	10.8	4.6
3.0	322.7	25.4	16.1	12.0	4.2
3.5	331.0	23.4	12.8	12.9	3.9
4.0	334.1	22.5	12.0	13.0	3.5
4.5	337.8	21.6	11.3	13.0	3.2
5.0	342.5	20.8	10.5	12.7	2.8
5.5	346.3	18.3	10.1	12.5	2.5
6.0	349.0	17.4	9.9	12.4	2.2
6.5	350.9	17.0	10.0	12.3	1.8
7.0	353.8	16.6	10.6	12.5	1.5
7.5	355.8	16.5	11.3	12.7	1.1
8.0	357.7	16.2	11.9	12.7	0.8
8.5	0.6	16.0	13.2	12.8	0.5
9.0	2.7	15.8	14.3	12.9	0.1
9.5	4.5	15.8	15.0	12.9	-0.2
10.0	6.6	15.6	16.3	12.9	-0.8
10.5	8.3	15.4	16.8	13.0	-1.3
11.0	10.0	15.2	17.7	12.8	-1.9
11.5	12.5	15.0	18.5	12.8	-2.5

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	29.5	4.5
2	15.1	4.8
3	656.7	4.4
4	728.2	4.5
5	12.4	6.8
6	3.2	7.8
7	25.6	9.5
8	39.0	10.3
9	36.3	11.3
10	50.0	12.9
11	85.4	14.8
12	107.1	16.4
13	98.3	17.6
14	148.0	19.4
15	185.5	20.5
16	207.8	21.8
17	242.6	23.5

18	296.2	24.6
19	261.4	26.3
20	300.2	27.3
21	319.5	30.2
22	275.9	32.0
23	199.7	38.7

HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
195.	119.	13.0	1.9
379.	38.	19.3	2.6
613.	33.	24.5	3.2
748.	174.	38.2	3.9
1043.	178.	49.5	4.6
1262.	169.	27.5	4.2
1560.	176.	24.6	3.9
1666.	181.	17.7	3.5
1807.	184.	26.0	3.2
2028.	185.	34.4	2.8
2162.	186.	34.5	2.5
2341.	189.	27.3	2.2
2476.	194.	28.7	1.8
2719.	199.	28.3	1.5
2889.	203.	23.8	1.1
3047.	207.	29.9	0.8
3277.	213.	29.4	0.5
3428.	210.	28.5	0.1
3670.	215.	27.5	-0.2
3784.	209.	38.6	-0.8
4190.	206.	45.4	-1.3
4379.	205.	80.4	-1.9

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
59.	119.	4.0	1.9
115.	38.	5.9	2.6
187.	33.	7.5	3.2
228.	174.	11.6	3.9
318.	178.	15.1	4.6
385.	169.	8.4	4.2
475.	176.	7.5	3.9
508.	181.	5.4	3.5
551.	184.	7.9	3.2
618.	185.	10.5	2.8
659.	186.	10.5	2.5
714.	189.	8.3	2.2
755.	194.	8.7	1.8
829.	199.	8.6	1.5
881.	203.	7.3	1.1
929.	207.	9.1	0.8
999.	213.	9.0	0.5
1045.	210.	8.7	0.1
1119.	215.	8.4	-0.2
1153.	209.	11.8	-0.8
1277.	206.	13.8	-1.3
1335.	205.	24.5	-1.9

****A END JOB T650301P T650301 TSU2T650 PIBALLLL 6.35.09 PM

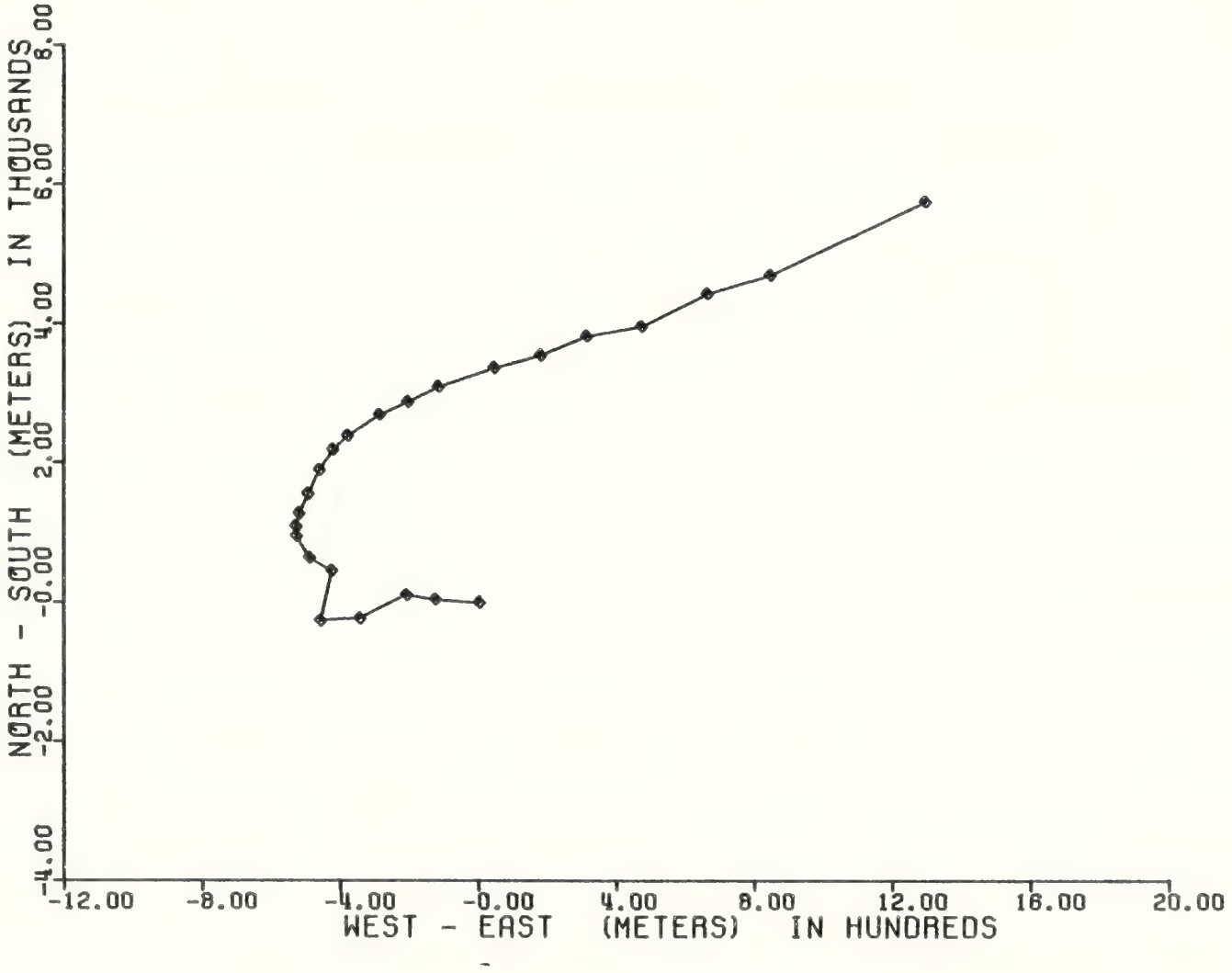
C-B PIBAL SOUNDING
TIME 700 DATE 10/31/78
TEMPERATURE
WIND SPEED
WIND DIRECTION
ALTITUDE (METERS) IN HUNDREDS
0.00
4.00
8.00
12.00
18.00
20.00
24.00
-2.00
0.00
2.00
4.00
DEGREES CELCIUS
0.00
8.00
16.00
24.00
METERS/SECOND
0.00
80.00
160.00
240.00
DEGREES

C-B PIBAL SOUNDING

TIME 700 DATE 10/31/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING **SUSPECT DATA**

SOUNDING DATE 10-31-78

BALLOON RELEASED 1320 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	19.2	16.2	39.1	2.4	16.4
1.0	19.5	16.8	37.7	3.6	14.8
1.5	19.4	16.8	35.8	5.1	13.8
2.0	21.5	18.7	35.7	6.6	13.4
2.5	23.2	19.3	35.5	7.7	13.0
3.0	23.5	19.7	34.5	8.4	12.6
3.5	23.0	18.0	33.6	8.6	12.2
4.0	21.4	16.7	32.0	8.6	11.9
4.5	21.3	14.5	31.4	8.0	11.7
5.0	20.5	12.6	30.4	7.3	11.6
5.5	20.9	11.8	30.1	7.6	11.5
6.0	20.9	12.1	29.5	8.1	11.4
6.5	20.8	12.7	29.0	8.7	10.7
7.0	20.8	13.6	28.8	9.5	10.0
7.5	20.3	14.7	28.0	10.8	9.3
8.0	20.0	15.6	27.4	11.3	8.7
8.5	19.1	15.8	26.7	11.7	8.1
9.0	17.8	16.1	25.3	12.1	7.6
9.5	16.4	15.6	24.1	11.8	7.0
10.0	15.4	15.6	23.3	12.0	6.5
10.5	13.9	16.1	21.9	12.7	5.9
11.0	13.1	16.2	21.1	12.8	5.4
11.5	12.8	16.0	21.1	12.5	4.9
12.0	12.4	15.8	21.3	12.1	4.7

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	1.0	5.6
2	1.9	6.4
3	3.5	7.7
4	25.8	8.4
5	37.1	9.3
6	24.0	10.3
7	9.8	11.5
8	1.6	12.6
9	29.8	13.6
10	34.3	14.6
11	121.5	16.1
12	126.2	17.5
13	124.7	18.7
14	144.1	19.5
15	205.2	21.4

16	122.9	22.4
17	167.1	22.9
18	139.1	24.5
19	124.2	25.1
20	160.9	25.5
21	200.7	26.9
22	176.1	27.5
23	161.3	26.6
24	150.7	24.8

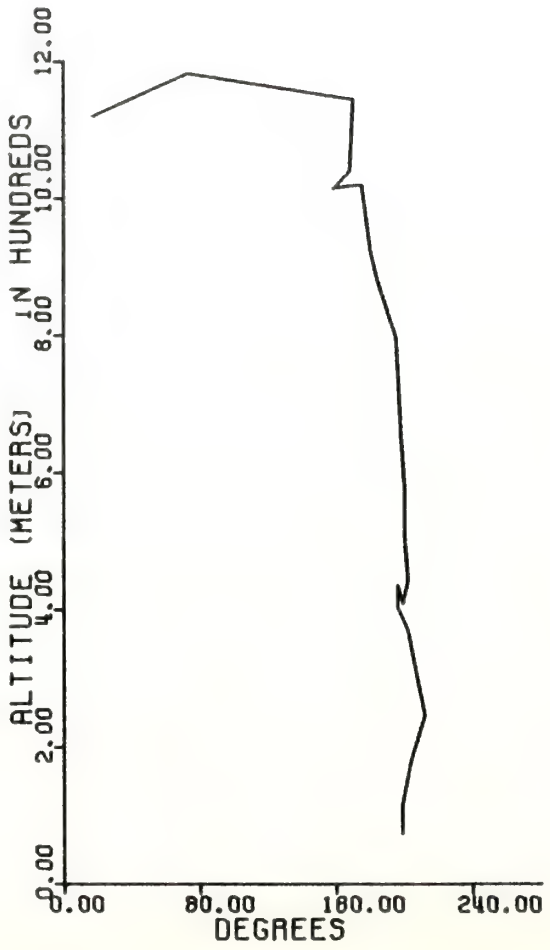
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
243.	199.	21.4	16.4
387.	199.	19.3	14.8
602.	204.	18.4	13.8
814.	212.	14.9	13.4
1013.	207.	17.1	13.0
1216.	202.	20.1	12.6
1327.	196.	22.7	12.2
1430.	196.	21.6	11.9
1397.	197.	19.8	11.7
1342.	199.	23.4	11.6
1457.	202.	27.3	11.5
1672.	200.	24.7	11.4
1905.	200.	17.8	10.7
2147.	198.	23.9	10.0
2618.	195.	25.9	9.3
2895.	184.	14.1	8.7
3036.	180.	21.0	8.1
3344.	175.	22.4	7.6
3326.	158.	12.9	7.0
3413.	168.	18.6	6.5
3756.	170.	20.3	5.9
3880.	74.	4.7	5.4
3677.	18.	25.0	4.9

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
74.	199.	6.5	16.4
118.	199.	5.9	14.8
184.	204.	5.6	13.8
248.	212.	4.5	13.4
309.	207.	5.2	13.0
371.	202.	6.1	12.6
404.	196.	6.9	12.2
436.	196.	6.6	11.9
426.	197.	6.0	11.7
409.	199.	7.1	11.6
444.	202.	8.3	11.5
510.	200.	7.5	11.4
581.	200.	5.4	10.7
654.	198.	7.3	10.0
798.	195.	7.9	9.3
883.	184.	4.3	8.7
925.	180.	6.4	8.1
1019.	175.	6.8	7.6
1014.	158.	3.9	7.0
1040.	168.	5.7	6.5
1145.	170.	6.2	5.9
1183.	74.	1.4	5.4
1121.	18.	7.6	4.9

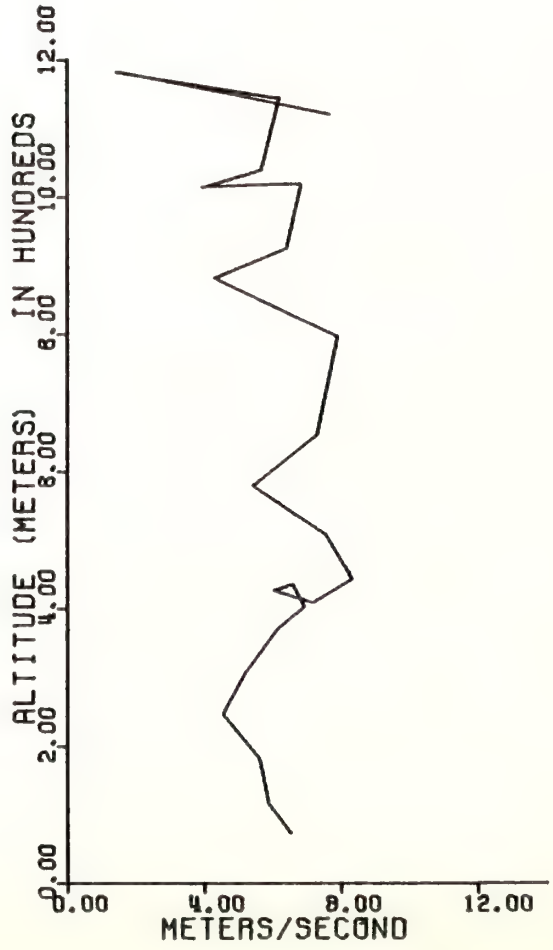
C-B PIBAL SOUNDING

TIME 1320 DATE 10/31/78

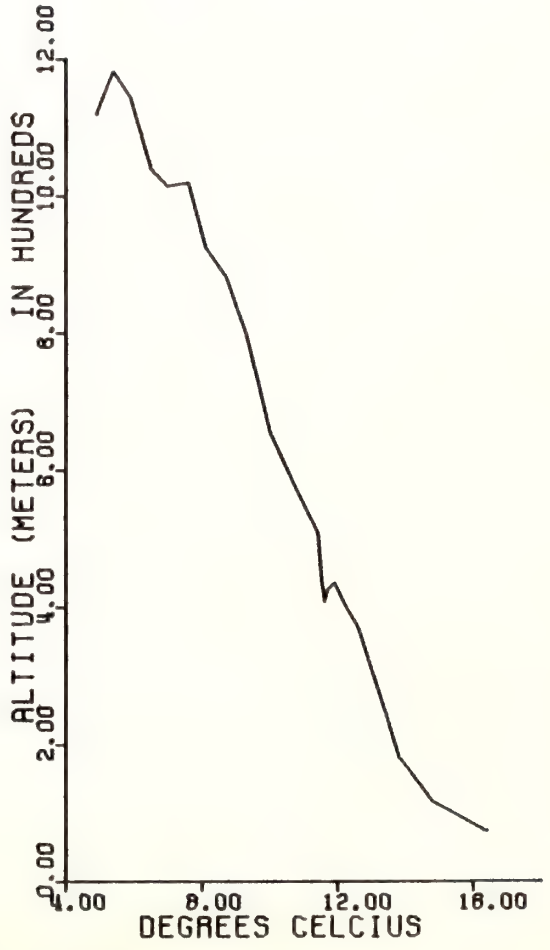
WIND DIRECTION



WIND SPEED



TEMPERATURE

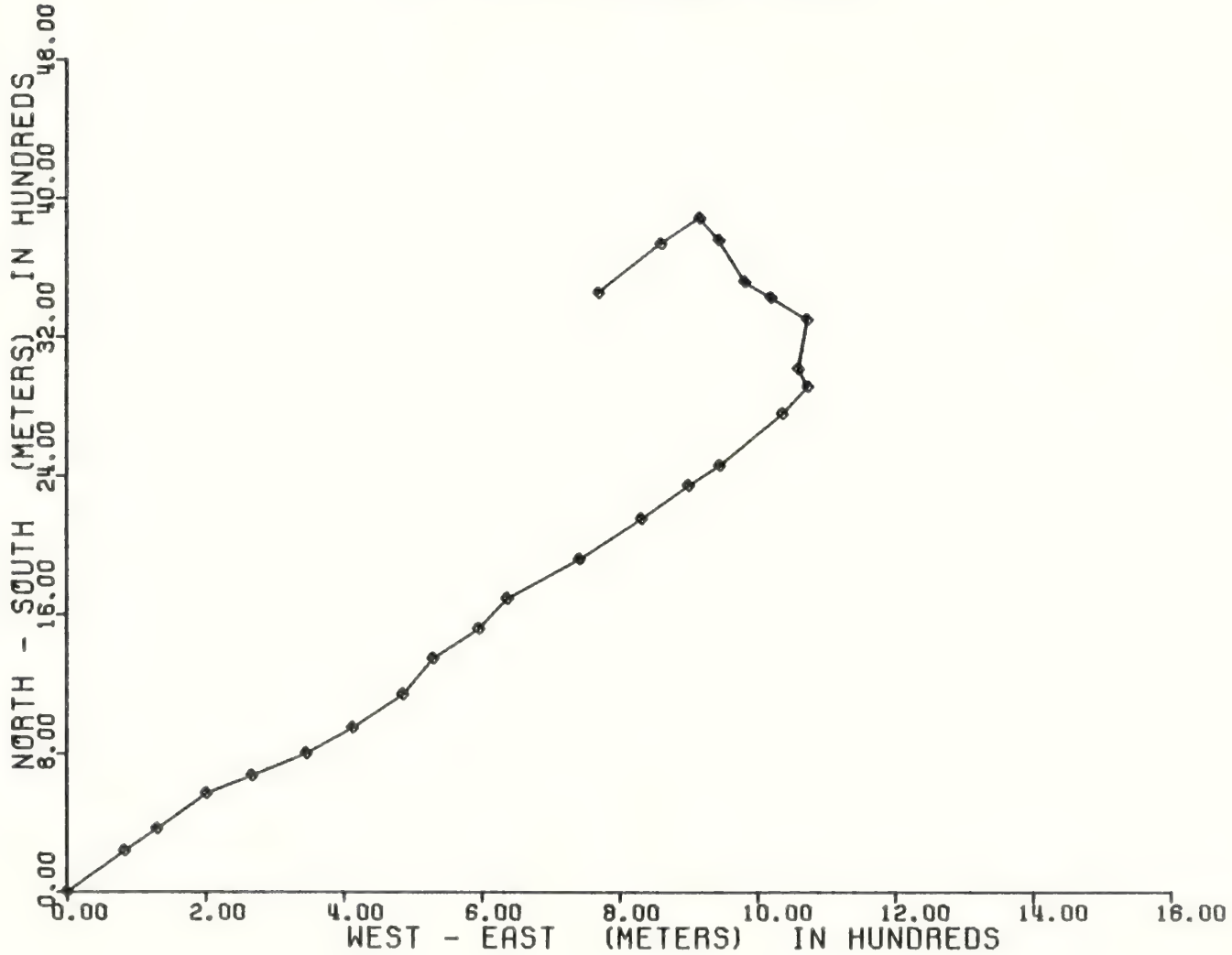


C-B PIBAL SOUNDING

TIME 1320 DATE 10/31/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



STABILITY CLASS USING DT/DZ
DT 60-10M
WS 10M

CB-TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE, INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE
1	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	D	E	E	E	E	E	F	E
2	E	F	F	F	F	F	F	F	E	D	D	C	D	B	B	D	D	E	E	F	F	F	F	F	E
3	F	F	F	F	F	F	F	F	D	D	D	D	C	D	C	D	D	E	F	F	F	F	F	F	E
4	F	F	F	F	F	F	F	F	E	D	D	C	B	C	D	D	D	E	E	F	F	F	F	F	E
5	F	F	F	F	F	F	F	( )	E	D	D	B	B	D	D	D	D	E	F	F	F	F	F	F	E
6	F	( )	F	F	F	F	F	F	E	D	D	C	C	B	D	D	D	E	F	F	F	F	F	F	E
7	F	F	F	F	F	F	E	F	E	D	D	C	B	B	D	D	D	E	F	F	F	F	F	F	E
8	F	F	F	F	F	F	F	( )	E	D	D	C	D	D	C	D	D	E	F	F	F	F	F	F	E
9	F	F	F	F	F	F	F	F	E	D	D	D	D	C	D	D	D	E	E	F	F	F	F	F	E
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11	E	F	F	F	F	F	F	F	F	D	D	C	B	D	C	D	D	E	F	E	F	F	F	F	E
12	F	F	F	F	F	F	F	F	E	D	D	D	D	D	C	D	D	E	E	E	E	E	E	E	E
13	F	F	F	F	F	F	F	F	E	D	D	D	C	D	D	D	D	E	E	F	F	F	F	F	E
14	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	E	F	F	F	F	F	F	E
15	F	F	F	F	F	F	F	F	F	D	D	D	D	D	D	D	E	E	E	F	F	F	F	F	E
16	F	F	F	F	F	F	F	F	F	D	D	D	D	D	D	D	D	E	F	E	F	F	F	F	E
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19	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	D	E	E	F	F	F	F	E
20	F	F	F	F	F	F	F	F	F	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E
21	E	E	E	E	E	E	E	E	E	E	E	D	D	D	D	D	D	E	E	E	E	E	E	E	E
22	E	E	F	D	D	D	D	E	D	D	D	D	D	D	D	D	D	E	E	E	E	E	F	E	E
23	E	E	E	E	E	E	F	E	E	D	D	D	D	D	D	D	D	E	F	F	F	F	F	F	E
24	F	F	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	E	E	E	D	E	E	E
25	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	E	E	F	F	F	F	E
26	F	F	F	F	F	F	F	F	E	D	D	D	C	D	D	D	D	E	F	F	F	F	F	F	E
27	F	F	F	F	F	F	F	F	F	D	D	D	D	D	D	D	D	F	F	F	F	F	F	F	E
28	E	F	F	F	F	E	E	E	E	D	D	D	D	D	D	D	D	E	D	E	F	F	F	F	E
29	F	F	F	F	E	D	E	E	D	D	D	D	D	D	D	D	D	E	E	E	F	F	F	E	E
30	E	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	E	F	F	F	F	F	F	E
31	F	F	F	F	F	F	F	F	F	D	D	D	D	D	D	D	D	F	F	F	F	F	F	F	E
AVE	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	F	E	F	F	F	F	F	E

(05/14/79-RFI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
MAX	0	0	0	0	9	0	0	0	0	0	0	0	1	2	1	0	1	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	12	9	4	18	239	143	37	3	10	18	19	25	69	60	30	5	34 :	735
TOTAL :	12	9	4	18	239	143	37	3	10	18	19	25	69	60	30	5	34	735
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER NO. - AB23 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	3	0	0	0	0	0	0	0	2	0	0	0	1	3	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23 :	744
TOTAL :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23	744
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/14/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	9	0	0	0	0	0	1	47	3	5	1	0	3	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0 :	1
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	12	9	4	18	238	144	37	3	10	18	19	25	70	60	30	5	34 :	736
TOTAL :	12	9	4	18	238	144	37	3	10	18	19	26	70	60	30	5	34	737
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER NO. - AB23 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	11	0	0	0	0	0	0	0	7	5	0	0	5	9	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	56	18	24	25	29	15	29	9	38	78	52	22	24	21	59	52	21 :	572
TOTAL :	56	18	25	25	29	15	29	9	38	78	52	22	24	21	59	52	21	573
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/14/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	3	0	0	0	0	0	1	47	1	5	0	0	1	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0 :	1
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	12	9	4	18	238	144	37	3	10	18	19	25	70	60	30	5	34 :	736
TOTAL :	12	9	4	18	238	144	37	3	10	18	19	26	70	60	30	5	34	737
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER NO. - AB23 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
MAX	0	0	5	0	0	0	0	0	0	0	3	5	0	0	3	7	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	56	18	25	25	29	15	29	9	38	78	52	22	24	21	59	52	21 :	573
TOTAL :	56	18	25	25	29	15	29	9	38	78	52	22	24	21	59	52	21	573
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	94	96	68	98	98	78	78	68	76	88	88	82	113	113	113	84	98	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	4	8	4	0	0 :	16
80. - 100. :	2	1	0	1	1	0	0	0	0	3	1	1	1	1	0	1	1 :	14
60. - 80. :	2	2	1	1	22	7	3	1	2	3	0	6	22	7	7	2	4 :	92
40. - 60. :	6	3	1	3	21	17	5	2	7	10	11	12	28	16	8	1	6 :	157
20. - 40. :	2	2	1	7	98	65	25	0	1	2	3	3	7	18	7	0	11 :	252
LT 20. :	0	1	1	4	89	50	6	0	0	0	2	0	7	11	4	1	11 :	187
TOTAL :	12	9	4	16	231	139	39	3	10	18	17	22	69	61	30	5	33	718
MEAN CONC.	58	48	37	35	29	28	33	54	52	57	44	52	54	47	51	60	33	37

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER NO. - AB23 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	96	84	88	86	82	80	88	88	88	94	90	86	78	80	92	90	82	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 100. :	15	4	2	1	2	3	6	1	6	18	11	2	0	3	15	15	3 :	107
60. - 80. :	47	21	28	27	25	17	27	7	33	66	47	17	15	14	35	41	14 :	481
40. - 60. :	7	2	4	4	12	7	7	4	6	12	12	4	8	6	15	15	6 :	131
20. - 40. :	0	0	0	1	1	0	0	1	1	1	1	6	2	5	5	0	0 :	24
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	69	27	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23	743
MEAN CONC.	74	72	68	67	65	68	70	63	69	71	70	62	59	60	66	69	67	68

0 = NO OBSERVATIONS

(05/11/79 PRI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	114	114	114	114	114	114	114	114	0	114	114	114	114	114	1149	0	114	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0 :	1
LT 1000. :	6	5	3	15	167	106	27	2	9	16	16	22	44	41	22	2	29 :	532
TOTAL :	6	5	3	15	167	106	27	2	9	16	16	22	44	41	23	2	29	533
MEAN CONC.	19	22	38	38	22	30	34	57	0	14	7	5	18	22	64	0	15	24

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER NO. - AB23 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	344	344	229	114	229	114	114	114	114	229	114	114	114	114	344	344	114	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23 :	744
TOTAL :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23	744
MEAN CONC.	61	53	23	10	17	8	5	17	9	10	9	3	9	16	31	40	14	22

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

SULFUR DIOXIDE (SO2) C-B SHALE OIL PROJECT

TRAILER NO. - AB23 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23 :	744
TOTAL :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23	744
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/14/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

HYDROGEN SULFIDE (H2S) C-B SHALE OIL PROJECT

TRAILER NO. - AB23 PERIOD(10/01/78 TO 10/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23 :	744
TOTAL :	69	28	34	33	40	27	40	13	46	97	71	29	25	28	70	71	23	744
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/14/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB20 PERIOD(10/01/78 TO 10/31/78)

WIND SPEED MAX METERS/SEC		WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		3	1	1	2	3	4	4	3	4	5	4	4	4	5	5	3	3	
GT	11.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. -	11.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. -	8.	0	0	0	0	0	0	0	0	0	3	0	0	0	3	2	0	0	8
3. -	5.	1	0	0	0	1	5	14	1	7	6	9	11	24	20	8	1	1	109
1. -	3.	10	5	2	12	179	108	23	1	1	8	8	13	43	30	20	4	11	478
LT	1.	1	4	2	6	60	31	2	1	2	1	2	2	4	8	1	0	13	140
TOTAL		12	9	4	18	240	144	39	3	10	18	19	26	71	61	31	5	25	735
PERCENT		2.	1.	1.	2.	33.	20.	5.	0.	1.	2.	3.	4.	10.	8.	4.	1.	3.	100.

0 = NO OBSERVATIONS

(05/14/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL C-B SHALE OIL PROJECT

STATION AB23 PERIOD(10/01/78 TO 10/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	8	4	3	2	2	3	3	5	7	14	10	8	4	6	6	7	2	
GT 11. :	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0 :	2
8. - 11. :	1	0	0	0	0	0	0	0	0	10	5	1	0	0	0	0	0 :	17
5. - 8. :	2	0	0	0	0	0	0	1	2	21	16	2	0	2	7	9	0 :	62
3. - 5. :	25	5	2	0	0	1	5	1	9	18	6	4	6	6	23	25	0 :	136
1. - 3. :	23	10	12	19	28	21	23	10	26	36	37	13	15	15	29	29	8 :	354
LT 1. :	16	13	20	13	12	5	12	1	9	10	7	9	4	5	11	8	15 :	170
TOTAL :	67	28	34	32	40	27	40	13	46	97	71	29	25	28	70	71	23	741
PERCENT	9.	4.	5.	4.	5.	4.	5.	2.	6.	13.	10.	4.	3.	4.	9.	10.	3.	100.

0 = NO OBSERVATIONS

(05/14/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

30 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(10/01/78 TO 10/31/78)

WIND SPEED MAX METERS/SEC		WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		6	7	2	2	1	2	3	4	5	7	12	8	6	4	5	6	1	
GT	11. :	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0 :	3
8. -	11. :	0	0	0	0	0	0	0	0	0	0	7	4	0	0	0	0	0 :	11
5. -	8. :	4	2	0	0	0	0	0	0	1	4	27	16	2	0	1	14	0 :	71
3. -	5. :	25	16	0	0	0	0	1	3	2	10	23	9	4	5	12	21	0 :	131
1. -	3. :	35	23	19	5	7	21	17	34	15	24	20	14	16	16	21	19	2 :	308
LT	1. :	6	10	13	13	10	29	16	13	16	8	11	16	7	8	11	10	16 :	213
TOTAL	:	70	51	32	18	17	50	34	50	34	46	91	59	29	29	45	64	18	737
PERCENT		9.	7.	4.	2.	2.	7.	5.	7.	5.	6.	12.	8.	4.	4.	6.	9.	2.	100.

0 = NO OBSERVATIONS

(05/14/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

60 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(10/01/78 TO 10/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	8	4	2	2	2	2	3	4	8	9	13	9	7	4	6	7	3	
GT 11. :	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0 :	4
8. - 11. :	1	0	0	0	0	0	0	0	1	3	11	2	0	0	0	0	0 :	18
5. - 8. :	4	0	0	0	0	0	0	0	1	6	17	7	1	0	6	15	0 :	57
3. - 5. :	23	7	0	0	0	0	3	2	1	4	9	4	8	5	17	19	1 :	103
1. - 3. :	20	8	7	4	8	6	18	22	12	9	12	3	8	9	37	26	3 :	212
LT 1. :	8	6	5	6	8	13	16	4	13	14	17	4	11	6	12	6	12 :	161
TOTAL :	56	21	12	10	16	19	37	28	28	36	70	20	28	20	72	66	16	555
PERCENT	10.	4.	2.	2.	3.	3.	7.	5.	5.	6.	13.	4.	5.	4.	13.	12.	3.	100.

0 = NO OBSERVATIONS

(05/14/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD42 PERIOD(10/01/78 TO 10/31/78)

WIND SPEED MAX METERS/SEC		WIND DIRECTION																	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
		3	4	4	4	4	5	3	4	9	11	10	13	9	9	7	6	0	
GT	11. :	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0 :	1
8. -	11. :	0	0	0	0	0	0	0	0	1	1	1	1	2	3	0	0	0 :	9
5. -	8. :	0	0	0	0	0	0	0	0	0	5	12	11	2	3	6	1	0 :	40
3. -	5. :	0	1	4	1	1	4	0	1	5	9	7	9	12	22	20	1	0 :	97
1. -	3. :	5	16	33	143	142	46	16	7	14	11	11	16	32	42	44	19	0 :	597
LT	1. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL	:	5	17	37	144	143	50	16	8	20	26	31	38	48	70	70	27	0	744
PERCENT		1.	2.	5.	19.	19.	7.	2.	1.	3.	3.	4.	5.	6.	9.	9.	3.	0.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD56 PERIOD(10/01/78 TO 10/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	1	2	2	2	1	3	3	1	0	4	3	3	0	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
5. - 8. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3. - 5. :	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0 :	1
1. - 3. :	0	0	0	1	1	2	1	2	2	2	1	0	0	6	3	0	0 :	21
LT 1. :	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0 :	1
TOTAL :	0	0	0	1	1	2	2	2	2	2	1	0	1	6	3	0	0	23
PERCENT	0.	0.	0.	4.	4.	9.	9.	9.	9.	9.	4.	0.	4.	26.	13.	0.	0.	100.

0 = NO OBSERVATIONS

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 23
October 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-hr	1	11	00	32.3	ug/m^3
		2	17	00	28.8	ug/m^3
		3	14	00	23.0	ug/m^3
		4	5	00	19.5	ug/m^3
		5	20	00	19.3	ug/m^3
Carbon Monoxide	1-hr	1	3	11	300.0	ug/m^3
		2	6	11	300.0	ug/m^3
		3	6	12	300.0	ug/m^3
		4	6	13	300.0	ug/m^3
		5	11	12	300.0	ug/m^3
	8-hr	1	6	10	200.0	ug/m^3
		2	2	14	200.0	ug/m^3
		3	3	8	100.0	ug/m^3
		4	11	7	100.0	ug/m^3
		5	4	13	100.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 23
October 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Sulfur Dioxide	3-hr	1	-	-	0	ug/m^3
		2	-	-	0	ug/m^3
		3	-	-	0	ug/m^3
		4	-	-	0	ug/m^3
		5	-	-	0	ug/m^3
	24-hr	1	-	-	0	ug/m^3
		2	-	-	0	ug/m^3
		3	-	-	0	ug/m^3
		4	-	-	0	ug/m^3
		5	-	-	0	ug/m^3
Ozone	1-hr	1	5	16	96.0	ug/m^3
		2	5	17	96.0	ug/m^3
		3	29	16	94.0	ug/m^3
		4	29	17	94.0	ug/m^3
		5	6	11	92.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE 42
October 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-hr	1	11	00	48.0	ug/m^3
		2	14	00	39.8	ug/m^3
		3	17	00	31.7	ug/m^3
		4	29	00	26.0	ug/m^3
		5	20	00	20.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE 56
October 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-hr	1	17	00	56.4	ug/m^3
		2	14	00	36.7	ug/m^3
		3	20	00	34.9	ug/m^3
		4	29	00	28.4	ug/m^3
		5	8	00	15.5	ug/m^3

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	CO	SO_2	H_2S
MULTIPOINT RECORDER	99	99	99	97	87		
DATA ACQUISITION SYSTEM	0	0	0	0	0		
OTHER SYSTEMS							
MONTHLY TOTAL	99	99	99	97	87		

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 20
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	WS	WD	TEMP	INVERS. HT	STB 50m	STB 200m	PART	PRECIP.
MULTIPOINT RECORDER	100	100	100					
DATA ACQUISITION SYSTEM	0	0	0					
OTHER SYSTEMS				100	100	100	90	100
MONTHLY TOTAL	100	100	100	100	100	100	90	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	SO_2	H_2S	CO	BAR PRESS.	SOLAR RAD.
MULTIPOINT RECORDER	100	77	77	100	100	100	100	100	100
DATA ACQUISITION SYSTEM	0	0	0	0	0	0	0	0	0
OTHER SYSTEMS									
MONTHLY TOTALS	100	77	77	100	100	100	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE, INC

	SIGMA HWD 10m	SIGMA HWD 30m	SIGMA HWD 60m	WS 10m	WS 30m	WS 60m	WD 10m	WD 30m	WD 60m
MULTIPOINT RECORDER	100			100	100	78	100	100	100
DATA ACQUISITION SYSTEM	0			0	0	0	0	0	0
OTHER SYSTEMS									
MONTHLY TOTALS	100			100	100	78	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	TMP 10m	TMP 30m	TMP 60m	DT 60-10m	RH	PART	PREC
MULTIPOINT RECORDER	100	100	100	100			
DATA ACQUISITION SYSTEM	0	0	0	0			
OTHER SYSTEMS					99	100	100
MONTHLY TOTALS	100	100	100	100	99	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE 042
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	100	100	100	100
MONTHLY REPORTS	100	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE 056
OCT 1978
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	3	3	3	100
MONTHLY TOTALS	3	3	3	100

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DATA REPORT

AIR MONITORING REPORT
FOR
PROTOTYPE OIL SHALE LEASE TRACT C-B

NOVEMBER 1978

Submitted July 15, 1978

PREPARED BY:
OCCIDENTAL OIL SHALE, INC. OPERATOR
P.O. BOX 2687
GRAND JUNCTION, COLORADO 81502

SITE AB20	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
NO							X									
NOX							X									
NO2							X									
O3							X									
CO							X									
SO2																
H2S																
PARTICULATE							X									
WIND SPEED							X									
WIND DIRECTION							X									
TEMPERATURE							X									
PRECIPITATION							X									
INVERSION HGT.							X									
STABILITY CLS 50M							X									
STABILITY CLS 200M							X									

SITE AB23 & AA23	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO							X										
NOX							X										
NO2							X										
03							X										
CO							X										
SO2							X										
H2S							X										
PARTICULATE							X										
WIND SPEED 10M							X										
WIND SPEED 30M							X										
WIND SPEED 60M							X										
WIND DIRECTION 10M							X										
WIND DIRECTION 30M							X										
WIND DIRECTION 60M							X										
SIGMA HOR WD 10M							X										
SIGMA HOR WD 30M																	
SIGMA HOR WD 60M																	
TEMPERATURE 10M							X										
TEMPERATURE 30M							X										
TEMPERATURE 60M							X										
DELTA T 60-10M							X										
PRECIPITATION							X										
EVAPORATION																	
RELATIVE HUMIDITY							X										
SOLAR RADIATION							X										
BAROMETRIC PRESS.							X										
PILOT BALLOONS							X										

	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
SITE AD42																
WIND SPEED 10M							X									
WIND DIRECTION 10M							X									
TEMPERATURE 10M							X									
PARTICULATE							X									
SITE AD56																
WIND SPEED 10M																
WIND DIRECTION 10M																
TEMPERATURE 10M																
PARTICULATE							X									
SUMMARY REPORTS																
STAB. CLASS DT/DZ							X									
FREQUENCY TABLES -																
GASES vs WD AB20							X									
" " AB23							X									
FREQUENCY TABLES-																
WS vs WD AB20							X									
" " AB23							X									
5 MAX IND. SLIDING																
AVERAGES AB20							X									
" AB23							X									
" AD42							X									
" AD56							X									
DATA COLLECTION -																
EFFICIENCY AB20							X									
" AB23							X									
" AD42							X									
" AD56							X									

SUMMARY REPORTS (Continued)	1978								1979								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
VECTOR AVERAGES																	
WD & WS AB20							X										
" AB23							X										

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
21	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	1	2	1	5	0	0	0	0	0	1	1	1	0	0	0	0	0		5

(05/16/79-RPT)

NITRIC OXIDE
(UG/M3)

C8-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	6
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	1	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	4	1	0	6	1	0	1	0	0	0	0	0	1	1	0	0		6

(05/16/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	4	8	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	8
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
7	2	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	1	4
8	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
20	0	0	0	0	0	0	0	2	2	2	15	2	0	0	0	0	0	0	2	0	0	0	0	0	1	15
21	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	2	0	0	0	0	0	2	4	8	2	15	2	0	0	0	0	2	4	4	0	2	0	0	0		15

(05/16/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

LB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	9	2	0	0	0	0	0	0	0	0	0	0	0	0	9
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	2	2	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	19	2	0	9	2	0	2	0	0	0	0	0	2	2	0	0		19

(05/16/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
6	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
8	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
20	0	0	0	0	0	0	0	2	2	0	8	2	0	0	0	0	0	0	2	0	0	0	0	0	1	8
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	2	0	0	0	0	0	2	4	4	2	8	2	0	0	0	0	0	2	2	0	2	0	0	0		8

(05/16/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		13

(05/16/79-RPI)

OZONE
(UG/M3)

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	29	29	29	24	33	33	25	20	35	49	55	59	69	63	59	55	55	45	35	24	29	24	25	29	39	69
2	29	33	35	33	29	29	24	24	35	33	49	49	49	45	55	55	49	35	29	49	45	49	49	39	40	55
3	35	24	35	29	29	24	20	14	14	33	49	49	53	69	74	78	69	59	39	39	39	29	24	24	40	78
4	29	24	20	24	29	24	24	20	29	35	43	49	59	59	65	69	63	65	76	39	45	35	33	33	41	76
5	33	39	33	33	33	33	24	24	24	29	49	59	88	98	104	104	106	98	78	49	35	29	29	39	53	106
6	55	59	39	43	39	39	39	33	39	49	69	69	59	78	78	92	92	53	33	43	41	39	49	39	53	92
7	33	33	39	39	39	39	39	33	43	53	59	69	69	69	69	69	57	49	24	29	33	33	33	33	45	69
8	33	39	39	43	39	41	39	39	49	49	43	59	82	73	73	73	69	73	53	53	51	39	43	43	52	82
9	43	39	43	43	49	49	49	47	51	63	59	63	69	69	69	69	69	69	63	63	63	63	59	55	57	69
10	55	49	49	43	39	43	43	39	43	41	41	39	39	39	39	39	43	45	45	45	49	39	39	39	43	55
11	39	43	49	43	43	49	49	49	49	49	49	49	53	53	55	59	59	59	49	55	53	49	49	49	50	59
12	43	49	49	55	55	57	55	39	63	78	88	82	82	82	78	74	69	63	78	78	78	78	73	59	67	88
13	63	59	49	55	53	55	55	55	55	55	59	78	78	76	74	69	76	65	49	45	63	63	63	39	60	78
14	43	49	39	33	33	14	24	25	43	43	78	69	59	49	59	59	69	63	59	55	57	59	63	57	50	78
15	63	55	55	59	61	59	59	55	59	61	59	61	69	69	63	69	59	59	49	43	65	69	69	78	61	78
16	78	73	74	63	43	39	43	39	41	37	39	41	41	43	43	49	35	14	20	10	20	35	39	35	41	78
17	39	29	24	24	25	29	27	24	24	24	24	33	33	33	49	49	49	45	20	20	24	20	29	35	30	49
18	41	29	39	39	35	29	20	24	35	35	35	39	49	49	55	59	63	59	55	59	55	49	55	49	44	63
19	35	39	39	43	47	49	45	39	45	39	49	57	69	74	74	74	74	59	49	49	47	24	35	33	50	74
20	24	35	29	24	16	16	0	10	16	10	20	59	69	69	74	78	57	29	49	39	24	20	24	35	34	78
21	20	24	20	20	24	20	10	0	0	0	4	29	59	88	88	88	74	59	49	39	39	35	35	39	36	88
22	39	39	35	49	43	39	49	49	63	74	82	82	82	88	88	82	78	69	63	59	63	59	59	55	62	88
23	61	49	55	55	55	55	55	49	49	59	82	88	88	88	88	94	94	76	69	63	63	49	55	59	67	94
24	59	61	59	49	49	53	49	53	53	59	92	98	45	45	35	35	33	29	31	31	37	35	29	25	48	98
25	29	29	29	31	35	35	35	33	24	24	29	29	29	35	29	29	29	29	29	29	29	29	35	39	31	39
26	39	35	31	43	43	39	35	31	35	39	39	35	33	29	35	35	45	51	59	53	55	59	59	55	42	59
27	63	71	69	63	45	55	57	55	59	61	63	43	53	55	59	63	55	55	45	49	45	69	69	78	58	78
28	55	51	47	45	53	55	55	59	55	49	41	41	47	39	39	33	25	59	29	25	20	24	24	20	41	59
29	20	18	22	10	16	16	10	12	10	22	25	39	41	39	24	6	2	12	18	18	20	24	24	25	20	41
30	18	43	49	25	24	24	25	20	16	16	22	24	29	35	35	27	29	25	29	29	29	29	29	27	28	49
AV	42	42	41	39	39	38	36	34	38	42	50	55	58	60	61	61	58	52	46	43	44	42	43	42	46	
PK	78	73	74	63	61	59	59	59	63	78	92	98	88	98	104	104	106	98	78	78	78	78	73	78		106

OZONE
(UG/M3)

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	63	65	69	63	63	69	63	61	59	59	65	74	74	69	63	63	63	59	55	59	59	61	63	59	63	74
2	59	59	55	63	63	59	55	59	59	63	61	63	61	63	63	65	65	59	61	59	65	69	73	74	62	74
3	69	63	59	51	55	57	49	49	55	63	63	63	65	76	78	78	76	69	69	74	63	61	59	55	63	78
4	55	55	55	59	63	59	59	59	59	63	69	76	76	76	78	78	80	78	78	78	78	78	78	76	69	80
5	74	71	69	59	65	63	69	69	63	73	74	76	78	78	78	78	78	76	74	76	76	69	73	73	72	78
6	73	69	69	71	69	71	69	74	69	71	76	80	78	80	82	84	78	74	73	73	74	69	69	69	73	84
7	74	69	69	69	69	69	63	71	59	63	69	73	73	78	78	73	73	65	65	65	65	65	65	65	68	78
8	65	69	69	63	69	65	69	65	59	69	73	78	78	78	78	78	74	74	73	73	71	69	69	69	71	78
9	69	69	69	67	67	67	67	67	69	69	71	73	69	73	73	73	74	78	78	78	73	73	73	73	71	73
10	76	76	49	39	49	43	43	39	39	39	39	39	43	39	43	43	41	39	39	39	39	43	49	39	45	76
11	43	43	41	43	39	43	43	39	43	43	39	49	49	55	57	59	55	49	49	49	49	41	41	43	46	59
12	49	59	59	59	59	59	59	59	78	82	88	80	82	84	88	92	92	88	88	84	98	96	88	88	78	98
13	82	88	88	80	82	82	80	78	78	82	82	88	88	88	88	88	88	88	78	78	78	80	78	78	83	88
14	69	69	59	53	59	49	49	49	49	59	73	78	73	73	73	78	78	78	78	78	78	78	78	78	68	78
15	78	78	78	73	73	73	78	78	78	73	73	73	73	73	73	76	73	73	69	73	73	73	73	73	74	78
16	74	74	74	74	69	67	63	63	69	63	63	63	69	69	74	74	69	69	55	55	67	69	69	63	67	74
17	59	55	49	49	45	49	49	49	49	45	57	59	61	63	69	73	69	65	55	53	53	55	49	59	56	73
18	49	45	49	47	39	55	39	45	49	39	49	49	63	65	78	69	73	63	59	45	49	59	69	71	55	78
19	69	78	74	69	63	69	69	74	74	74	78	78	78	78	78	78	78	78	78	78	78	78	78	76	75	78
20	78	69	69	74	69	69	69	74	69	78	78	74	78	78	78	74	74	74	74	69	55	65	59	59	71	78
21	65	69	65	65	69	65	69	59	59	65	59	78	78	78	78	78	78	74	69	69	69	69	65	59	69	78
22	55	55	45	49	53	49	53	59	59	59	69	73	74	82	92	88	88	82	82	78	78	74	78	78	69	92
23	78	69	69	69	74	74	69	73	74	78	88	84	88	88	88	88	88	86	84	76	74	74	78	74	79	88
24	78	76	73	69	69	74	73	59	55	59	74	78	78	78	74	74	78	74	74	69	69	63	55	55	70	78
25	55	49	55	49	55	45	45	39	45	55	74	74	74	78	78	78	78	74	74	69	69	69	63	69	63	78
26	74	76	78	80	78	74	78	69	69	78	84	84	84	78	84	88	84	78	74	74	74	74	73	73	73	88
27	74	74	74	74	74	74	74	74	76	78	78	84	84	86	86	84	84	78	74	76	78	78	78	78	78	86
28	74	76	76	76	74	78	78	74	78	78	82	82	82	82	82	82	84	78	80	78	76	74	74	73	78	84
29	69	73	69	69	69	69	69	69	71	71	73	76	78	76	76	78	78	73	73	73	73	69	73	69	72	78
30	73	74	74	73	73	71	71	71	71	67	69	73	73	78	78	78	78	78	78	78	74	73	73	73	74	78
AV	67	67	65	63	64	64	63	62	63	65	70	73	74	75	76	77	76	73	70	69	69	69	69	68	69	
PK	82	88	88	80	82	82	80	78	78	82	88	88	88	88	92	92	92	88	88	84	98	96	88	88		98

(05/16/79-RPI)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	100	100	0	0	0	0	0	100	0	0	100	100	0	0	0	100	0	200	0	0	0	0	100	0	0	200
2	0	0	0	100	100	100	0	0	0	0	0	0	100	100	100	200	200	200	100	0	0	0	100	100	100	200
3	100	200	200	100	100	100	200	0	0	0	0	100	0	0	0	0	0	100	100	100	100	100	0	100	100	200
4	200	200	100	100	100	100	100	0	0	0	100	100	100	100	100	0	0	100	100	100	0	0	0	0	100	200
5	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	100	100	100	100	0	100	100	100	100
6	0	100	100	100	100	100	200	0	0	0	(CA)	0	0	0	0	0	0	200	0	0	0	0	0	100	0	200
7	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	100	100	0	0	100	100
8	0	100	0	0	0	0	100	100	100	100	100	100	100	100	100	0	0	100	100	0	0	0	100	100	100	100
9	100	100	100	0	0	100	100	100	100	0	0	0	100	100	0	100	100	100	100	0	0	0	0	0	100	100
10	100	100	100	100	100	100	100	200	200	200	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100	200
11	100	100	100	100	100	100	100	0	0	0	100	100	0	0	100	100	100	200	100	0	0	0	100	200	100	200
12	200	200	200	100	100	100	100	100	100	100	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	200
13	100	200	100	100	100	100	100	100	100	100	100	100	0	0	100	100	100	100	100	100	100	100	100	100	100	200
14	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100
16	100	100	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	100	0	0	0	100	100	100	0	100
17	0	100	100	100	100	100	100	100	200	100	0	0	0	0	0	0	100	100	100	100	100	100	0	100	100	200
18	0	0	0	0	0	0	0	100	100	100	100	100	0	100	0	0	100	100	100	100	100	100	100	100	100	100
19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	100	100	100	100	100	100	100	100	100
20	100	100	100	0	0	0	100	100	100	100	100	0	0	100	100	100	200	100	0	0	0	0	0	0	100	200
21	0	0	0	0	100	100	100	100	100	200	100	100	100	0	0	0	0	100	100	100	100	100	100	100	100	200
22	100	100	0	0	0	100	100	100	100	100	100	0	0	0	0	0	100	100	0	0	0	0	100	0	100	100
23	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
24	0	0	0	0	0	0	0	0	0	0	100	100	0	0	100	100	100	100	0	0	0	0	0	0	0	100
25	0	100	0	100	0	100	0	100	100	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100
26	0	100	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
27	0	100	0	100	100	100	100	100	100	100	0	0	0	100	100	100	100	100	0	0	0	0	0	0	100	100
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100
29	0	0	100	0	0	100	0	100	100	100	100	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100
30	0	100	100	100	100	100	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
AV	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	100	100	100	0	0	0	100	100	100	
PK	200	200	200	100	100	100	200	200	200	200	100	100	100	100	100	200	200	200	100	100	100	100	100	200		200

(05/16/79-RPI)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	100	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	100
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	100	200	100	0	100	200	0	0	0	0	0	0	0	0	0	200
7	0	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	100
8	0	0	0	0	0	0	0	0	0	0	0	0	500	3600	0	0	0	0	0	0	0	0	0	0	200	3600
9	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	100
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	0	100
12	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	100	0	100	200	200	100	100	0	0	0	0	0	0	0	200
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	0	100
16	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
19	0	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	100
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	100	100	100	100	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	100	100
23	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	100	0	0	0	0	0	0	0	0	0	100
24	100	100	100	100	100	100	100	100	100	100	100	(CA)	(CA)	0	0	0	0	100	100	100	100	100	100	100	100	100
25	100	0	100	100	0	0	0	0	0	100	0	0	0	100	200	200	200	0	0	0	0	0	0	100	100	200
26	100	200	200	100	200	200	200	200	200	0	0	0	0	0	0	100	100	200	0	0	0	0	0	0	100	200
27	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	0	0	0	0	0	0	0	100	100
28	0	100	0	0	0	0	100	100	100	0	100	0	100	0	0	0	0	100	0	0	0	0	0	0	0	100
29	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	100	100
30	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	0	0	0	0	100	100	0	100	100
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	0	0	0	0	0	0	0	0	0	
PK	100	200	200	100	200	200	200	200	200	100	100	200	500	3600	200	200	200	200	100	100	100	100	100	100		3600

(05/16/79-RPI)

SULFUR DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0 (CA)	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

(05/16/79-RPI)

HYDROGEN SULFIDE
(UG/M3)

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

(05/16/79-RPI)

PARTICULATE DATA 24-HOUR AVERAGE (UG/M3)
CB-TRACT
OCCIDENTAL OIL SHALE INC.

MO	DY	YR	TRL20	TRL23	TRL42	TRL56
11	1	78	14.2	0.0	7.9	4.0
11	4	78	23.7	12.3	14.5	23.8
11	7	78	29.6	13.9	15.4	25.6
11	10	78	5.5	12.3	9.8	18.3
11	13	78	2.6	0.0	0.0	0.2
11	16	78	4.0	1.6	0.5	2.3
11	19	78	5.0	2.6	( )	1.0
11	22	78	9.3	3.5	1.5	3.1
11	25	78	5.6	2.2	( )	5.4
11	28	78	7.8	6.4	3.7	0.0
		AV	10.7	5.5	6.7	8.4
		GM	8.1	3.7	4.1	3.6
		PK	29.6	13.9	15.4	25.6

WIND SPEED @10M
METERS/SEC

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	2	1	2	2	2	2	2	3	3	2	1	2	2	2	2	2	1	1	1	2	2	2	2	2	3
2	3	3	2	2	3	2	3	3	2	4	4	4	2	2	1	1	1	2	2	2	2	2	1	1	2	4
3	2	1	1	0	1	1	1	1	1	1	4	3	4	4	4	4	4	2	2	2	2	2	2	2	2	4
4	3	2	2	3	4	2	2	3	5	4	2	2	4	4	4	4	3	1	2	1	2	2	2	3	3	5
5	2	2	2	2	2	2	2	2	1	2	2	2	3	9	6	6	7	2	1	1	0	1	1	1	3	8
6	1	1	1	1	1	1	2	2	4	3	2	1	1	1	2	3	3	1	1	2	2	2	2	2	2	4
7	2	2	2	2	2	2	1	2	4	2	3	2	2	4	3	3	1	2	1	2	3	1	2	2	2	4
8	2	2	3	2	2	2	4	5	3	3	1	1	2	2	2	4	2	1	1	1	1	2	3	2	2	5
9	2	1	1	2	2	2	3	2	2	3	3	7	6	6	6	6	4	1	2	2	1	2	3	2	3	7
10	4	3	4	6	3	1	1	0	2	4	4	4	4	5	4	4	4	3	4	4	2	2	2	2	3	6
11	3	2	1	2	2	1	4	3	2	1	2	1	2	3	2	1	1	2	1	1	4	2	0	1	2	4
12	4	4	4	4	3	3	2	1	1	3	3	3	3	3	2	2	3	1	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	3	4
13	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	2	2	2	2	3	1	2	0	0	2	2	1	1	1	2	3
14	1	1	0	1	1	1	1	1	1	1	1	1	2	3	3	4	3	2	2	2	2	2	1	0	2	4
15	1	2	2	2	2	1	2	1	1	3	4	3	4	3	2	2	2	2	1	1	2	2	1	1	2	4
16	1	1	1	2	2	2	2	2	2	1	1	3	2	4	5	3	1	0	1	0	0	1	0	1	2	5
17	0	0	1	1	1	1	1	1	1	1	1	0	1	4	4	2	1	0	2	0	1	1	1	0	1	4
18	1	0	1	1	1	1	0	0	(CM)	(CM)	(CM)	1	3	3	3	4	4	2	1	2	1	1	1	1	2	4
19	1	0	0	1	0	0	0	0	1	0	1	1	3	3	4	4	3	1	2	2	2	0	0	2	1	4
20	1	1	1	1	1	0	0	0	1	1	1	2	3	4	2	2	2	1	1	0	1	0	0	1	1	4
21	0	1	0	(CM)	0	1	0	(CM)	0	1	1	0	3	4	3	4	1	1	1	0	1	(CM)	1	0	1	4
22	0	1	3	1	2	2	2	2	2	2	4	4	6	6	5	2	2	1	2	2	1	2	2	2	2	6
23	2	2	2	2	2	2	1	2	1	1	1	2	1	3	3	2	2	1	0	0	0	0	1	1	1	3
24	2	2	1	0	0	1	1	1	1	1	2	2	2	4	4	4	2	0	0	0	0	1	1	0	1	4
25	1	0	1	2	2	2	0	2	1	1	0	1	3	2	1	1	1	1	1	0	0	(CM)	(CM)	(CM)	1	3
26	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	0	0	0	3	0	0	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	( )	3
27	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	( )	( )
28	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	2	2	3	3	2	1	2	4	2	2	1	1	2	2	2	4
29	2	1	2	2	3	3	1	1	1	1	2	1	1	0	0	0	1	0	0	1	0	1	1	0	1	3
30	2	2	1	1	1	1	1	1	1	1	0	1	3	5	4	3	2	1	1	1	2	2	1	1	2	5
AV	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	1	1	1	1	1	1	1	2	
PK	4	4	4	6	4	3	4	5	5	4	4	7	6	8	6	6	7	4	4	4	4	2	3	3		8

(05/16/79-RPI)

WIND SPEED @ 10M
METERS/SEC

CB-TRACT
TRAILER 23
NOV 1973
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	1	0	0	1	1	1	1	1	2	2	4	4	3	4	4	3	2	1	1	2	2	2	4
2	1	5	3	5	5	4	1	3	4	5	7	6	5	4	3	3	2	2	2	3	2	3	3	1	3	7
3	2	1	1	1	1	0	1	1	1	3	3	3	5	4	6	7	5	1	2	2	3	3	3	3	3	7
4	1	0	1	1	2	1	1	1	1	1	2	6	6	6	7	6	6	5	4	4	1	1	3	3	3	7
5	2	1	1	1	0	2	2	1	1	0	2	2	5	8	6	8	5	3	2	1	1	0	1	0	2	5
6	1	0	0	1	1	1	1	2	0	1	1	1	2	2	2	3	4	2	2	0	1	2	0	1	1	4
7	1	1	0	1	1	0	1	1	1	0	1	1	1	3	4	3	1	2	2	0	1	1	1	1	1	4
8	1	1	1	1	0	1	1	2	1	2	1	1	3	4	5	7	6	3	2	2	1	0	1	4	2	7
9	2	4	3	3	4	2	4	2	4	12	13	11	8	10	6	10	9	7	8	11	10	9	6	4	7	13
10	4	2	4	4	3	1	0	0	1	3	3	4	3	3	3	3	2	2	3	2	1	1	0	1	2	6
11	1	1	0	1	1	0	2	2	2	1	1	1	1	1	2	1	1	1	1	1	2	1	(CM)	3	1	3
12	4	4	4	4	4	3	4	3	5	4	5	4	5	7	4	5	5	5	1	4	8	9	6	3	5	9
13	5	7	6	3	4	4	2	2	3	4	4	4	3	5	4	3	3	0	0	2	1	1	1	1	3	7
14	0	0	(CM)	2	0	1	1	1	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	0	1	2
15	0	1	1	1	0	1	1	2	2	1	1	2	1	3	4	2	2	1	1	1	1	0	0	0	1	4
16	0	0	0	0	1	1	0	0	0	0	0	2	1	1	2	2	1	0	1	2	1	0	0	0	1	2
17	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	0	1	1	1	1	1	2	1	0	1	2
18	0	(CM)	(CM)	(CM)	0	1	2	0	(CM)	0	0	1	1	2	0	1	1	1	1	1	1	2	1	1	1	2
19	2	2	1	1	1	2	2	3	1	1	3	7	6	4	4	3	1	2	0	1	2	3	3	4	2	7
20	1	1	0	2	4	2	3	1	1	3	3	6	4	6	5	4	3	3	0	1	1	1	1	1	2	6
21	1	1	1	1	1	1	1	1	1	1	1	2	7	8	7	7	4	5	5	4	4	3	3	1	3	8
22	3	5	7	6	2	1	2	4	8	4	8	8	8	5	8	8	6	2	1	2	3	1	2	1	4	8
23	2	3	1	1	1	1	3	1	0	1	2	2	2	4	4	4	3	2	1	2	1	1	1	3	2	4
24	1	1	1	1	1	1	1	2	1	1	2	1	2	4	2	2	2	1	1	1	1	1	1	0	1	4
25	2	1	1	2	1	1	0	2	1	2	1	4	4	5	4	5	3	2	2	2	1	2	4	4	2	5
26	3	4	3	3	3	1	0	0	0	0	2	2	2	4	4	3	2	2	2	2	2	2	3	3	2	4
27	2	3	2	2	4	3	2	1	1	2	1	1	1	1	2	1	0	1	2	1	2	2	1	2	2	4
28	2	2	4	4	3	4	1	4	3	4	5	5	8	6	6	5	5	5	3	1	2	2	2	1	4	9
29	3	4	4	4	4	1	4	5	7	4	2	2	2	2	2	3	2	2	2	2	4	3	2	4	3	7
30	4	4	3	4	2	1	4	2	3	2	4	4	3	7	6	7	7	6	6	6	5	7	6	6	5	7
AV	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	3	3	2	2	2	2	2	2	2	
PK	6	7	7	6	5	4	4	5	8	12	13	11	8	10	8	10	9	7	8	11	10	9	8	8		13

(05/16/79-RPI)

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	1	1	0	1	1	1	2	2	2	4	4	2	3	5	2	1	1	0	1	2	2	5
2	1	7	3	6	6	5	1	4	4	5	5	5	5	4	3	3	2	2	3	4	4	4	4	3	4	7
3	2	3	2	1	1	0	0	1	1	3	2	3	4	4	6	6	5	2	1	2	2	3	2	3	2	6
4	1	0	0	0	1	1	1	1	2	2	1	5	6	6	7	8	7	6	5	5	2	1	4	4	3	8
5	3	0	2	1	0	0	1	0	0	1	1	3	5	8	6	7	5	3	2	1	1	1	0	0	2	8
6	1	0	0	1	1	0	0	1	1	1	1	0	2	1	1	4	4	1	2	0	1	1	0	1	1	4
7	1	0	0	0	0	0	1	1	1	0	1	0	1	2	3	3	1	2	2	1	1	1	1	1	1	3
8	1	1	2	3	1	1	1	3	1	1	1	1	2	4	4	6	6	3	1	2	1	1	1	4	2	6
9	2	4	3	3	4	2	3	2	4	13	12	12	8	10	11	8	8	7	7	9	9	10	8	4	7	13
10	5	3	3	4	2	1	1	0	1	2	2	2	2	3	2	3	2	1	2	2	1	0	0	1	2	5
11	1	1	0	1	0	0	1	2	1	1	1	0	0	1	1	0	0	1	1	1	1	3	3	3	1	3
12	5	4	4	5	3	4	4	3	7	4	4	4	6	7	5	4	5	5	1	7	7	9	8	8	5	9
13	5	7	6	4	5	4	3	2	3	5	4	4	3	4	3	3	3	0	1	2	2	2	1	1	3	7
14	0	0	0	1	1	1	1	0	(CM)	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1
15	0	0	1	0	1	1	1	2	1	2	1	2	2	3	3	2	2	1	0	1	0	0	0	0	1	3
16	0	0	0	0	1	1	0	0	0	0	0	1	1	2	2	1	0	0	1	2	1	0	0	0	1	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	1	1	1	1	0	0	1	2
18	0	0	(CM)	(CM)	0	1	0	0	(CM)	(CM)	0	0	1	1	0	1	0	1	1	0	2	2	1	1	1	2
19	1	1	1	1	2	2	2	2	1	1	2	5	6	4	4	4	2	2	1	1	1	2	3	3	2	6
20	2	1	1	2	3	2	3	1	1	3	4	5	4	4	4	4	3	3	0	1	1	0	1	1	2	5
21	1	1	1	1	1	1	1	2	1	1	1	6	6	8	6	6	4	6	6	5	5	4	3	3	3	8
22	3	5	8	6	3	2	2	3	6	3	8	8	9	10	8	8	6	3	2	2	4	1	3	2	5	10
23	1	3	1	1	1	1	3	1	0	1	2	2	2	4	3	3	3	1	1	1	1	1	0	2	2	4
24	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3	1	1	3
25	2	2	1	3	2	1	2	2	1	2	2	4	4	5	4	5	3	2	2	2	2	2	4	4	3	5
26	4	3	3	3	2	2	1	0	0	0	1	1	2	4	3	3	3	3	2	2	2	2	4	3	2	4
27	1	3	2	2	4	2	2	1	1	1	1	1	1	1	1	1	0	1	2	0	2	3	1	2	2	4
28	1	2	5	5	3	4	2	4	2	6	9	9	8	7	6	5	5	5	3	2	3	2	2	1	4	9
29	3	4	4	4	5	1	4	6	6	4	2	2	1	2	2	2	2	2	3	4	4	4	3	4	3	6
30	4	4	5	5	3	2	4	2	3	2	4	4	3	7	7	2	9	7	6	5	6	6	6	6	5	9
AV	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	3	3	2	2	2	2	2	2	2	
PK	5	7	8	6	6	5	4	6	7	13	12	12	9	10	11	8	9	7	7	9	9	10	8	8		13

(05/16/79-RPI)

WIND SPEED @ 60M
METERS/SEC

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	1	12	13	12	7	9	13	9	9	8	8	10	9	12	9	(IM)	9	13
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
12	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
24	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
26	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )		
PK	( )	( )	( )	( )	( )	( )	( )	( )	1	12	13	12	7	9	13	9	9	8	8	10	9	12	9	( )		13

(05/16/79-RPI)

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = A042 PERIOD(11/01/78 TO 11/30/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	2	2	2	2	2	2	2	2	3	4	3	3	4	2	2	3	3	2	2	3	2
2	3	2	2	2	2	2	2	2	2	5	5	5	4	4	2	2	2	2	4	4	4	4	3	3	3
3	2	1	1	1	1	1	1	1	2	3	3	4	9	4	5	5	5	3	2	1	1	1	2	2	3
4	2	2	2	2	2	2	2	2	2	2	2	5	6	6	6	7	6	5	2	2	2	2	2	2	3
5	2	2	2	2	2	2	2	2	2	2	3	4	8	8	8	7	4	2	2	1	1	1	1	1	3
6	1	1	1	1	1	1	2	2	1	1	1	2	2	3	3	4	2	2	1	2	2	2	1	1	2
7	1	2	2	2	2	2	2	2	1	1	1	2	2	3	4	3	2	2	2	2	2	2	2	2	2
8	3	3	3	2	2	2	3	3	3	2	2	3	3	3	5	6	5	3	3	2	2	2	2	3	3
9	3	3	3	3	3	3	3	3	3	8	11	9	8	9	9	7	5	3	4	5	3	RF	RF	RF	5
10	3	3	6	5	3	1	1	1	2	4	4	4	4	4	4	4	3	3	4	2	2	2	2	2	3
11	2	2	1	1	1	2	4	3	2	1	1	1	2	2	1	1	1	2	2	1	1	1	1	1	2
12	2	4	4	3	3	3	3	3	3	5	4	4	5	3	4	4	3	2	4	7	7	5	3	2	4
13	3	0	2	2	2	2	2	2	2	3	3	3	3	4	4	3	2	2	2	3	2	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2	2	2	2	2	2	2	1	2
15	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	1	1	1	1	1	2
16	1	2	1	2	2	2	2	1	1	1	2	2	1	0	4	2	1	1	1	1	0	1	1	1	1
17	1	1	2	1	1	1	2	1	1	2	1	1	3	4	2	1	1	1	2	2	1	1	2	1	1
18	0	1	0	1	0	1	2	0	0	0	0	1	2	2	2	2	1	1	1	0	1	1	2	2	1
19	1	1	2	1	1	1	1	1	2	3	4	7	5	4	3	3	4	2	1	1	1	1	1	3	2
20	2	2	2	2	2	3	2	1	0	3	4	4	4	3	2	2	3	2	1	1	1	1	1	1	2
21	1	1	1	0	0	1	1	0	1	1	1	9	6	6	7	3	4	2	1	2	1	2	1	1	2
22	2	5	4	2	2	2	2	4	4	3	8	8	9	5	8	4	2	1	1	1	2	1	2	2	4
23	1	2	2	2	2	1	2	1	1	2	3	1	2	4	3	3	1	2	1	1	1	1	1	1	2
24	2	1	1	1	1	2	1	1	1	1	2	2	3	3	3	2	2	0	1	1	1	2	1	2	2
25	2	1	2	2	1	1	2	2	1	1	1	4	2	4	1	2	2	2	RF	RF	RF	RF	RF	RF	2
26	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
27	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
28	RF	RF	RF	RF	RF	RF	RF	RF	RF	4	2	6	8	6	5	5	5	3	2	2	2	2	3	2	4
29	2	2	2	2	3	2	2	3	4	4	2	2	2	2	1	1	1	1	1	1	2	1	1	1	2
30	1	4	2	2	2	1	2	1	2	2	3	3	6	8	6	7	RF	RF	5	3	4	5	7	2	3
MEAN	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBSERVATIONS = 653

WIND DIRECTION @10M
DEGREES

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	103	108	102	108	111	84	105	100	132	135	138	(VA)	120	(VA)	180	288	140	(VA)	100	105	110	110	93	140	116
2	117	113	110	123	105	110	100	108	133	135	163	150	133	140	165	268	35	(VA)	190	270	245	195	60	70	132
3	105	115	105	80	75	105	105	95	95	288	275	290	288	315	10	360	360	5	117	105	100	100	105	103	74
4	105	110	110	135	135	105	103	115	140	145	297	280	180	180	180	220	195	225	80	100	108	105	100	105	135
5	115	120	115	113	110	105	103	108	103	130	303	310	303	300	303	295	297	300	33	113	105	108	90	103	90
6	105	103	103	90	105	100	105	100	145	130	283	(VA)	(VA)	315	285	305	310	105	98	103	117	110	105	100	102
7	105	105	100	108	105	117	93	105	150	120	285	267	(VA)	275	300	300	295	75	95	108	130	108	108	108	109
8	115	105	137	90	100	95	105	135	137	137	303	(VA)	315	(VA)	210	210	180	103	105	93	100	105	108	100	119
9	100	105	100	115	100	105	105	120	98	90	166	185	170	200	200	180	125	105	115	103	93	122	93	110	123
10	110	108	280	275	280	287	343	87	305	278	285	273	273	273	270	273	275	280	273	273	280	290	283	285	282
11	280	278	43	270	300	(VA)	280	267	285	30	290	303	285	295	285	285	105	275	(VA)	(VA)	133	285	300	108	291
12	125	125	135	133	(VA)	108	90	78	(VA)	123	150	165	140	210	175	195	210	120	303	290	213	90	(VA)	100	143
13	108	100	103	93	105	105	100	110	117	105	(VA)	255	297	(VA)	228	(VA)	170	93	70	115	95	93	117	300	109
14	315	(VA)	87	95	97	87	120	125	115	108	327	300	285	280	285	288	315	327	280	270	258	275	360	108	321
15	285	265	275	258	280	288	295	313	298	273	283	288	275	303	333	288	297	288	(VA)	(VA)	278	280	280	55	288
16	27	30	270	283	275	273	283	275	295	295	105	270	290	275	270	278	303	(VA)	105	93	93	95	(VA)	(VA)	296
17	(VA)	(VA)	282	308	(VA)	325	123	135	105	273	282	105	280	280	283	290	108	73	310	90	102	(VA)	(VA)	57	339
18	112	75	123	125	130	115	80	105	78	(VA)	315	297	297	283	297	280	288	315	300	330	33	42	70	130	34
19	87	90	(VA)	(VA)	60	100	100	(VA)	300	93	305	315	180	180	181	175	210	103	103	105	110	78	65	105	110
20	(VA)	85	(VA)	300	88	82	93	(VA)	300	335	(VA)	297	225	227	243	235	305	105	(VA)	65	(VA)	63	87	290	353
21	(VA)	295	80	80	90	310	87	93	80	108	300	(VA)	288	215	185	153	122	105	300	75	(VA)	80	303	50	83
22	90	95	300	310	110	103	95	103	137	137	240	230	250	240	243	295	310	103	103	100	100	108	103	103	123
23	103	90	117	103	135	125	100	103	90	115	283	280	267	310	320	318	348	87	90	100	93	97	100	95	90
24	100	105	103	(VA)	(VA)	103	100	82	(VA)	295	303	308	288	285	273	285	285	(VA)	98	45	103	93	313	93	42
25	107	103	125	137	120	283	87	105	(VA)	305	25	300	290	270	290	313	105	112	90	103	93	120	132	270	100
26	273	275	275	275	288	297	73	113	115	125	125	297	280	300	310	283	285	315	325	300	302	302	288	310	295
27	285	45	15	73	335	303	18	98	(VA)	295	295	20	310	285	283	(VA)	(VA)	103	93	95	118	115	133	135	32
28	105	135	135	110	133	127	135	107	108	110	135	135	163	180	178	178	100	87	80	90	90	93	93	105	120
29	123	103	95	100	98	120	120	105	105	135	105	100	125	95	90	78	103	117	95	80	90	80	95	75	101
30	100	123	(VA)	97	125	110	120	100	105	105	100	105	283	270	205	190	210	93	78	50	120	105	136	163	121
PV	103	101	105	106	104	99	96	105	114	121	281	278	263	262	253	266	264	85	83	88	108	97	89	98	88

(05/16/79-RPI)

WIND DIRECTION @ 10M
DEGREES

CB-TRAIL
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	310	360	90	223	175	(VA)	225	345	115	110	63	43	243	230	240	205	170	180	223	220	200	(VA)	170	175	194
2	90	133	100	189	193	185	(VA)	170	170	167	163	190	155	180	165	207	195	153	228	215	240	227	198	195	186
3	125	130	163	240	250	350	222	240	283	305	320	320	330	340	7	15	15	10	263	267	233	223	215	212	279
4	(VA)	(VA)	220	207	140	140	150	193	105	60	350	205	200	200	210	198	215	210	198	205	220	(VA)	195	195	191
5	210	105	(VA)	115	(VA)	228	220	(VA)	210	240	310	303	313	318	305	310	300	305	345	(VA)	25	(VA)	220	330	285
6	320	180	190	98	200	215	48	215	65	60	340	(VA)	7	325	315	333	320	275	207	150	215	223	280	255	264
7	(VA)	210	35	(VA)	210	185	215	75	75	(VA)	45	102	(VA)	5	345	325	288	213	225	45	93	245	225	157	173
8	155	150	170	205	15	80	103	140	50	228	255	(VA)	220	210	225	213	205	190	138	105	75	185	90	190	156
9	185	173	135	165	153	78	85	90	190	195	200	205	190	198	205	193	177	193	183	190	190	180	170	170	174
10	178	33	280	275	288	310	330	55	5	290	303	303	303	305	290	305	300	250	315	295	305	310	310	305	306
11	298	280	360	315	280	(VA)	300	290	265	288	305	315	355	303	310	313	78	360	275	273	105	335	192	155	306
12	150	163	135	120	260	150	193	228	210	183	185	207	210	210	207	215	215	223	240	228	227	215	220	223	202
13	207	213	210	225	210	185	175	140	165	185	168	213	210	203	225	200	203	220	155	168	150	128	118	155	185
14	355	318	295	160	175	327	253	240	25	10	330	350	315	320	310	315	343	330	315	300	265	290	310	333	314
15	315	305	305	295	280	315	305	318	325	305	303	328	318	325	330	330	325	315	348	18	325	318	345	270	318
16	15	23	345	360	355	330	288	335	50	360	(VA)	360	315	340	298	295	330	288	245	265	260	160	(VA)	220	323
17	120	150	190	120	183	243	170	100	350	315	303	75	360	310	288	305	130	155	275	250	130	230	275	245	223
18	63	243	15	220	125	180	255	285	(VA)	348	8	13	335	313	350	305	260	50	33	90	98	90	(VA)	(VA)	358
19	50	75	70	70	115	120	90	30	165	195	180	195	210	190	198	195	150	168	200	185	190	173	155	165	155
20	110	63	120	165	185	140	150	87	183	145	200	200	195	190	213	195	175	168	20	45	70	300	75	220	155
21	105	138	70	90	78	65	110	195	233	153	185	195	215	210	198	185	175	183	168	165	155	140	120	168	157
22	198	183	180	183	198	205	90	193	185	193	225	225	235	225	240	235	258	235	213	168	210	255	228	225	210
23	240	220	205	205	132	190	210	360	355	165	7	5	307	260	313	355	345	18	80	230	260	253	78	220	269
24	100	213	190	250	275	140	245	230	242	328	290	300	330	305	310	285	275	285	253	273	73	135	285	305	270
25	243	230	198	73	15	315	70	120	30	150	210	228	223	220	268	220	220	180	175	155	105	130	303	297	194
26	300	300	300	310	305	280	288	265	348	335	320	325	340	335	330	325	330	350	310	285	288	300	310	310	312
27	298	300	300	305	330	310	303	290	315	300	315	203	225	310	320	5	30	268	233	273	160	205	33	127	295
28	90	120	183	170	125	178	(VA)	175	190	205	205	210	198	215	215	205	205	185	195	360	215	215	205	130	187
29	200	200	203	198	213	73	195	200	205	195	203	235	210	210	240	250	210	205	220	210	210	223	213	190	208
30	205	200	210	205	183	230	235	240	235	195	225	230	210	253	243	203	225	223	205	205	195	195	208	195	215
PV	171	189	182	194	202	196	210	211	205	224	271	256	259	263	269	262	243	231	231	223	191	217	216	211	231

(05/16/79-RPI)

WIND DIRECTION @ 30M
DEGREES

C3-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	310	120	120	195	150	165	240	13	80	133	90	78	(VA)	250	255	235	195	200	253	253	193	163	168	183	183
2	165	203	213	207	215	207	205	195	185	195	177	207	165	190	183	243	223	168	240	233	245	243	255	210	207
3	135	142	150	272	287	330	135	303	295	330	328	360	360	350	43	30	33	33	318	303	288	258	258	240	323
4	(VA)	(VA)	120	180	158	168	(VA)	210	140	63	10	230	220	220	235	235	238	235	228	235	240	240	223	223	212
5	223	195	238	115	207	267	247	225	230	240	340	342	342	330	342	330	315	332	15	(VA)	60	118	120	360	294
6	347	107	107	93	303	225	55	230	93	73	360	340	360	343	318	335	350	328	225	223	223	260	345	260	330
7	210	223	57	95	210	(VA)	(VA)	93	130	93	(VA)	(VA)	138	7	350	320	313	330	228	45	80	310	215	155	93
8	170	207	210	223	240	(VA)	168	178	150	243	243	(VA)	240	210	243	238	230	215	170	138	125	(VA)	198	210	204
9	210	205	190	198	190	140	105	117	225	223	213	230	223	225	220	210	210	213	207	213	215	200	198	180	201
10	210	60	298	300	300	325	342	70	350	305	310	318	320	315	315	315	318	300	328	315	315	320	325	315	319
11	313	300	30	330	275	283	70	305	275	290	315	360	20	315	333	330	(VA)	315	290	273	145	245	235	165	306
12	180	180	165	155	280	185	215	245	240	205	215	225	250	233	245	240	230	243	265	255	260	235	250	240	223
13	240	239	235	240	235	220	215	200	195	210	190	250	230	235	240	225	220	165	150	165	170	150	122	127	205
14	210	315	263	152	150	345	303	330	345	355	325	360	315	315	305	325	343	333	305	300	258	300	325	343	315
15	325	315	310	300	255	318	315	330	330	310	295	327	325	340	343	345	330	330	345	345	315	313	330	270	320
16	15	15	358	360	360	340	295	345	115	345	135	360	330	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	359
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	345	328	345	325	235	120	80	(IM)	(IM)	(IM)	(IM)	200	( )
19	90	135	90	80	150	145	135	(VA)	215	213	155	210	210	223	215	215	190	198	240	205	225	205	195	195	185
20	150	132	190	205	210	185	183	140	175	160	220	213	235	228	240	220	205	213	(VA)	30	7	40	120	360	190
21	85	165	95	117	133	93	125	190	195	153	253	225	230	235	220	200	195	195	195	175	163	153	140	175	173
22	220	210	205	205	235	210	100	193	220	230	250	250	258	255	255	255	280	263	275	215	260	283	260	253	239
23	275	255	228	228	160	213	240	225	35	220	20	17	315	283	330	5	355	35	90	305	260	280	150	270	282
24	120	240	205	135	300	243	230	105	288	333	315	325	325	330	315	295	300	295	290	300	122	123	310	315	292
25	195	260	165	100	60	318	268	108	228	145	240	260	240	240	255	240	258	258	258	258	258	258	258	330	245
26	325	325	330	340	340	300	273	273	273	273	273	273	355	360	353	345	343	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	325	316
27	320	318	325	330	350	340	330	360	360	320	320	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	220	225	225	230	235	230	225	205	213	(VA)	230	47	240	195	222
29	230	230	235	225	225	(VA)	215	230	230	230	230	225	235	235	250	280	240	235	235	230	240	242	215	230	233
30	228	215	230	225	210	240	245	260	265	255	255	250	260	270	240	225	242	240	235	235	225	220	225	215	238
PV	219	216	201	196	230	245	224	224	226	242	268	278	277	273	277	275	262	252	250	252	231	242	226	235	251

(05/16/79-RPI)

WIND DIRECTION @ 60M
DEGREES

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	290	240	35	150	140	150	165	340	15	117	60	55	255	237	258	215	190	185	255	255	170	105	153	190	133
2	193	185	200	195	200	190	200	183	170	183	163	205	153	183	168	217	195	130	190	235	253	240	212	193	193
3	123	115	125	(VA)	275	300	345	305	297	310	315	337	345	343	20	12	20	15	330	297	300	275	270	255	324
4	135	213	180	123	137	133	225	195	165	90	355	220	210	210	220	220	228	223	220	220	220	235	212	215	199
5	223	210	225	43	(VA)	225	245	257	247	210	315	320	335	329	315	310	305	320	3	(VA)	47	80	80	315	297
6	345	(VA)	90	33	168	198	60	5	285	57	343	(VA)	350	330	313	343	325	340	230	237	260	230	320	315	326
7	212	175	235	117	117	133	255	105	105	103	47	90	(VA)	345	333	318	300	225	210	25	60	275	207	233	170
8	150	200	205	210	210	195	190	180	198	230	245	223	235	210	225	223	213	213	190	127	180	205	198	207	203
9	200	200	190	185	165	193	(VA)	95	215	210	210	213	193	205	203	200	195	200	198	200	195	195	175	168	194
10	177	32	275	250	285	303	308	60	350	302	300	303	313	310	300	303	300	283	315	298	303	303	310	305	306
11	285	(VA)	312	255	190	(VA)	303	290	285	300	300	348	355	315	315	303	(VA)	300	235	290	170	200	220	150	284
12	165	168	155	150	258	185	210	230	225	195	195	220	220	220	223	225	210	228	245	255	240	230	235	230	214
13	223	225	220	223	225	210	200	195	190	185	180	225	210	230	220	198	210	(VA)	150	170	145	125	120	130	194
14	213	315	260	150	155	305	305	340	327	360	325	360	315	320	305	315	345	333	308	300	270	290	320	330	312
15	330	313	310	300	285	320	310	328	330	315	295	330	328	335	340	348	300	339	345	335	313	305	325	270	319
16	15	3	345	3	355	340	298	345	110	333	(VA)	355	310	343	300	303	325	280	295	275	255	153	123	210	324
17	135	108	138	103	63	70	105	90	360	310	288	105	15	313	298	300	140	153	273	250	135	185	267	343	83
18	130	85	135	140	150	133	100	(VA)	120	123	105	138	315	300	235	290	163	168	130	135	155	148	170	165	145
19	140	180	(VA)	155	163	168	150	195	195	210	183	210	207	198	215	208	190	195	213	210	213	193	135	185	190
20	150	145	135	195	200	133	180	168	165	170	210	200	210	210	210	195	185	195	265	60	(VA)	30	60	210	134
21	195	190	85	135	180	165	135	167	183	160	190	210	225	210	195	190	185	183	130	168	160	140	145	195	175
22	210	195	190	190	225	215	105	205	200	215	233	240	248	230	250	245	265	270	265	213	228	235	260	255	229
23	255	258	235	223	180	215	233	215	5	243	5	15	298	275	305	355	350	25	80	93	330	280	100	270	283
24	190	135	160	125	(VA)	295	280	193	243	310	308	305	315	305	308	285	298	330	288	293	113	130	295	305	231
25	250	253	205	110	85	305	225	140	210	190	210	235	225	220	250	220	225	195	163	183	180	180	120	325	203
26	310	315	310	325	325	303	325	343	348	318	325	313	343	345	340	328	330	5	345	315	315	315	325	320	327
27	320	315	325	330	345	325	335	330	328	310	298	200	223	310	315	10	115	315	290	320	145	190	205	205	304
28	85	170	190	180	190	200	190	195	205	215	210	215	210	230	220	212	210	195	210	230	225	225	215	195	204
29	210	215	218	205	210	175	210	210	215	210	210	225	225	225	243	255	255	250	235	233	225	225	225	225	222
30	223	205	215	215	210	230	233	233	260	210	225	243	233	220	230	223	220	225	220	220	205	205	215	205	222
PV	201	201	203	172	195	214	230	216	234	228	263	250	266	267	266	266	242	247	247	245	213	219	214	234	237

(05/16/79-RPT)

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD42 PERIOD(11/01/78 TO 11/30/78)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	90	65	64	90	59	77	72	74	78	70	67	297	165	211	198	200	171	194	311	58	74	69	79	93	90
2	74	63	142	41	21	80	89	100	64	169	136	155	120	158	183	218	209	190	213	226	241	223	191	72	144
3	130	100	21	293	321	80	239	343	35	300	281	302	307	285	321	22	30	17	244	295	219	75	68	114	342
4	89	54	94	94	64	65	66	72	76	74	42	266	185	178	229	211	213	201	202	77	59	62	125	132	105
5	16	77	63	130	75	104	39	53	223	67	317	271	319	240	259	248	234	251	294	118	50	301	275	20	343
6	93	114	144	325	201	19	60	57	29	34	270	339	299	323	225	263	245	251	263	258	53	85	85	185	338
7	3	15	56	29	55	54	51	42	28	57	18	337	198	287	254	277	244	175	132	55	53	273	131	63	53
8	68	34	34	23	30	47	64	58	36	19	323	46	200	193	171	161	172	51	79	50	53	22	40	62	55
9	63	70	69	57	66	72	100	60	26	131	163	191	183	175	183	172	151	145	136	160	146	102	97	73	113
10	41	16	212	225	239	251	270	32	276	252	260	266	260	259	254	268	289	251	256	248	288	304	269	266	268
11	262	250	280	274	254	331	264	246	261	273	267	224	259	278	269	279	60	276	212	75	159	273	RF	102	262
12	106	128	110	99	257	99	225	207	182	167	191	170	212	192	191	201	191	192	195	202	207	199	210	216	185
13	191	180	180	180	180	180	180	182	180	190	142	199	226	215	222	224	238	195	179	142	125	113	92	113	177
14	321	271	244	159	47	348	246	291	85	271	286	23	323	290	298	306	301	288	268	256	254	272	320	320	294
15	289	279	290	272	279	270	278	285	287	290	272	281	303	292	318	294	295	302	337	274	248	254	277	278	285
16	60	270	270	270	285	270	260	300	120	270	240	340	260	281	270	265	230	280	351	270	60	90	185	92	275
17	85	160	149	100	210	179	142	180	201	265	250	101	270	281	270	281	90	90	270	243	103	240	255	270	207
18	142	270	180	161	110	290	194	340	112	320	180	350	319	301	316	281	300	270	341	285	62	213	31	90	290
19	81	110	263	241	230	175	212	346	90	175	192	180	200	210	212	180	180	180	359	72	85	60	61	90	161
20	90	113	65	82	93	90	90	73	101	33	180	197	180	245	180	245	180	220	69	340	270	257	85	40	117
21	270	270	190	23	219	135	315	253	191	113	283	220	220	198	180	175	170	180	90	85	0	90	340	38	191
22	3	180	180	240	180	35	100	90	130	175	250	260	270	270	270	235	270	240	90	50	80	160	90	85	190
23	120	88	122	90	RF	88	72	177	90	65	355	310	192	320	359	348	310	70	90	0	90	320	97	66	65
24	82	90	111	260	270	93	54	180	90	260	268	345	270	333	270	257	222	187	270	228	90	210	270	197	236
25	45	193	90	90	310	270	250	27	90	90	265	180	270	181	277	RF	130	125	115	RF	RF	RF	RF	RF	152
26	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
27	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
28	RF	RF	RF	RF	RF	RF	RF	RF	RF	120	180	180	180	180	181	187	192	166	35	37	172	45	38	90	145
29	90	27	90	180	33	62	60	35	180	199	174	189	180	180	266	325	27	90	17	270	65	188	72	65	95
30	64	87	79	66	90	38	180	90	196	80	212	327	268	270	264	180	180	183	181	180	180	181	173	180	161
MEAN	71	91	117	102	154	69	119	50	109	139	243	260	238	245	245	243	218	203	244	230	97	188	87	92	158

TOTAL NUMBER OF OBSERVATIONS = 657

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER A820
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																							VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	103	108	102	108	111	84	105	100	132	135	138	***	120	***	180	288	140	***	100	105	110	110	93	140	118	1.6
2	117	113	110	123	105	110	100	108	133	135	163	150	133	140	165	268	35	***	190	270	245	195	60	70	134	1.6
3	105	115	105	80	75	105	105	95	95	288	275	290	288	315	10	360	360	5	117	105	100	100	105	103	27	0.7
4	105	110	110	135	135	105	103	115	140	145	297	280	180	180	180	220	195	225	80	100	108	105	100	105	143	1.9
5	115	120	115	113	110	105	103	108	103	130	303	310	303	300	303	295	297	300	33	113	105	103	90	103	323	0.5
6	105	103	103	90	105	100	105	100	145	130	283	***	***	315	285	305	310	105	98	103	117	110	105	100	105	0.9
7	105	105	100	108	105	117	93	105	150	120	285	267	***	275	300	300	295	75	95	108	130	108	108	108	115	0.7
8	115	105	137	90	100	95	105	135	137	137	303	***	315	***	210	210	180	103	105	93	100	105	108	100	125	1.7
9	100	105	100	115	100	105	105	120	98	90	166	185	170	200	200	180	125	105	115	103	93	122	93	110	142	2.2
10	110	108	280	275	280	287	343	87	305	278	285	273	273	273	270	273	275	280	273	273	280	290	283	285	277	2.7
11	280	278	43	270	300	***	280	267	285	30	290	303	285	295	285	285	105	275	***	***	133	285	300	108	284	1.3
12	125	125	135	133	***	108	90	78	***	123	150	165	140	210	175	195	210	120	303	290	213	90	***	100	144	2.2
13	108	100	103	93	105	105	100	110	117	105	***	255	297	***	228	***	170	93	70	115	95	93	117	300	****	****
14	315	***	87	95	97	87	120	125	115	108	327	300	285	280	235	288	315	327	280	270	258	275	360	108	296	0.8
15	285	265	275	258	280	288	295	313	288	273	283	286	275	303	333	288	297	288	***	***	278	280	280	55	288	1.9
16	27	30	270	283	275	273	283	275	295	295	105	270	290	275	270	278	303	***	105	93	93	95	***	***	283	1.4
17	***	***	282	308	***	325	123	135	105	273	282	105	280	280	283	290	108	73	310	90	102	***	***	57	289	0.6
18	112	75	123	125	130	115	80	105	78	***	315	297	297	283	297	280	288	315	300	330	33	42	70	130	306	0.6
19	87	90	***	***	60	100	100	***	300	93	305	315	180	180	181	175	210	103	103	105	110	78	65	105	150	0.9
20	***	85	***	300	88	82	93	***	300	335	***	297	225	227	243	235	305	105	***	65	***	63	87	290	262	0.5
21	***	295	90	80	90	310	87	93	80	108	300	***	288	215	185	153	122	105	300	75	***	80	303	50	194	0.4
22	90	95	300	310	110	103	95	103	137	137	240	230	250	240	243	295	310	103	103	100	100	108	103	103	203	0.7
23	103	90	117	103	135	125	100	103	90	115	283	280	267	310	320	318	348	87	90	100	93	97	100	95	77	0.4
24	100	105	103	***	***	103	100	82	***	295	303	308	288	285	273	285	285	***	98	45	103	93	313	93	302	0.5
25	107	103	125	137	120	283	87	105	***	305	25	300	290	270	290	313	105	112	90	103	93	120	132	270	120	0.0
26	273	275	275	275	288	297	73	113	115	125	125	297	280	300	310	283	285	315	325	300	302	302	288	310	****	****
27	285	45	15	73	335	303	18	98	***	295	295	20	310	285	283	***	***	103	93	95	118	115	133	135	****	****
28	105	135	135	110	133	127	135	107	108	110	135	135	163	180	178	178	100	87	80	90	90	93	93	105	119	1.7
29	123	103	95	100	98	120	120	105	105	135	105	100	125	95	90	78	103	117	95	80	90	80	95	75	105	1.2
30	100	123	***	97	125	110	120	100	105	105	100	105	283	270	205	190	210	93	78	50	120	105	136	163	149	0.8
VD	107	109	119	128	112	105	101	113	132	138	257	254	251	261	251	260	274	63	93	96	116	104	91	103	154	
VV	1.4	1.2	0.7	0.6	1.0	1.0	0.9	1.2	1.1	0.7	0.8	1.2	1.5	2.6	1.8	1.7	0.7	0.3	0.4	0.6	0.8	0.7	0.9	1.0		0.3

TOTAL NUMBER OF OBSERVATIONS = 597

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CR-TRACT
TRAILER AA23
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	310	360	90	223	175	***	225	345	115	110	63	43	243	230	240	205	170	180	223	220	200	***	170	175	204	1.1
2	90	133	190	185	193	185	***	170	170	167	163	190	155	180	165	207	195	153	228	215	240	227	198	195	184	3.3
3	125	130	163	240	250	350	222	240	283	303	320	320	330	340	7	15	15	10	263	267	233	223	215	212	313	1.1
4	***	***	220	207	140	140	150	193	105	60	350	205	209	200	210	198	215	210	198	205	220	***	195	195	200	2.9
5	210	105	***	115	***	228	220	***	210	240	310	303	313	318	305	310	300	305	345	***	25	***	220	330	301	2.1
6	320	180	180	98	200	215	48	215	65	60	340	***	7	325	315	333	320	275	207	150	215	223	280	255	293	0.6
7	***	210	35	***	210	185	215	75	75	***	45	102	***	5	345	325	288	213	225	45	93	245	225	157	309	0.2
8	155	150	170	205	15	80	103	140	50	228	255	***	220	210	225	213	205	190	138	105	75	185	90	190	192	1.6
9	185	173	135	165	153	78	85	90	190	195	200	205	190	198	203	193	177	183	183	190	190	130	170	170	185	6.2
10	178	33	280	275	288	310	330	55	5	290	303	303	303	305	290	305	300	290	315	295	305	310	310	305	294	1.8
11	298	280	360	315	280	***	300	290	265	288	305	315	355	303	310	313	78	360	275	273	105	335	192	135	306	0.6
12	150	163	135	120	260	150	193	228	210	183	185	207	210	210	207	215	215	223	240	228	227	215	220	223	206	4.2
13	207	213	210	225	210	185	175	140	165	185	168	213	210	203	225	200	203	220	155	168	150	128	118	155	197	2.8
14	355	318	295	160	175	327	253	240	25	10	330	350	315	320	310	315	343	330	315	300	265	290	310	333	311	0.6
15	315	305	305	295	280	315	305	318	325	305	303	328	318	325	330	330	325	315	348	18	325	318	345	270	322	1.2
16	15	23	345	360	355	330	288	335	50	360	***	360	315	340	298	295	330	288	245	265	260	160	***	220	314	0.6
17	120	150	190	120	183	243	170	100	350	315	303	75	360	310	288	305	130	155	275	250	130	230	275	243	247	0.2
18	63	243	15	220	125	180	255	285	***	348	8	13	335	313	350	305	260	50	33	90	98	90	***	***	3	0.3
19	50	75	70	70	115	120	90	30	165	195	180	195	210	190	198	195	150	168	200	185	190	173	155	165	168	1.6
20	110	63	120	165	185	140	150	87	183	145	200	200	195	190	213	195	175	168	20	45	70	300	78	220	178	1.8
21	105	138	70	90	78	65	110	195	233	153	185	195	215	210	198	185	175	183	168	165	155	140	120	168	177	2.4
22	198	183	180	183	198	205	90	193	185	193	225	225	235	225	240	235	258	235	213	168	210	255	228	225	214	3.9
23	240	220	205	205	132	190	210	360	355	165	7	5	307	260	313	355	345	18	80	230	260	253	78	220	283	0.8
24	100	213	190	250	275	140	245	230	242	328	290	300	330	305	310	285	275	285	253	273	73	135	285	305	278	0.8
25	243	230	108	73	15	315	70	120	30	150	210	228	223	220	268	220	220	180	175	155	105	130	303	297	218	1.1
26	300	300	300	310	305	280	288	265	348	335	320	325	340	335	330	325	330	350	310	285	288	300	310	310	314	2.1
27	298	300	300	305	330	310	303	290	315	300	315	203	225	310	320	5	30	268	233	273	160	205	33	127	295	1.0
28	90	120	183	170	125	178	***	175	190	205	205	210	198	215	215	205	205	185	195	360	215	215	205	130	194	3.6
29	200	200	203	198	213	73	195	200	205	195	203	235	210	210	240	250	210	205	220	210	210	223	213	190	208	3.0
30	205	200	210	205	183	230	235	240	235	195	225	230	210	258	243	203	225	223	205	205	195	195	208	195	215	4.3
VD	191	193	194	193	208	183	198	197	199	199	217	223	229	240	252	236	230	210	215	209	197	204	205	203	215	
VV	0.9	1.3	1.2	1.2	0.9	0.6	0.8	0.7	1.1	1.4	1.7	2.2	2.2	2.5	2.4	2.2	1.7	1.5	1.4	1.4	1.4	1.7	1.3	1.5		1.4

TOTAL NUMBER OF OBSERVATIONS = 691

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
30 METER LEVEL

CB-TRACT
TRAILER AA23
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	310	120	120	195	150	165	240	13	80	133	90	78	***	250	255	235	195	200	253	253	193	163	168	183	204	0.9
2	165	203	213	207	215	207	205	195	185	195	177	207	165	190	183	243	223	168	240	233	245	243	255	210	208	3.5
3	135	142	150	272	287	330	135	303	295	330	328	360	360	350	43	30	33	33	318	303	288	258	258	240	353	1.2
4	***	***	120	180	158	168	***	210	140	63	10	230	220	220	235	235	238	235	228	235	240	240	223	228	227	3.0
5	223	195	238	118	207	267	247	225	230	240	340	342	342	330	342	330	315	332	15	***	60	118	120	360	326	1.6
6	347	107	107	93	303	225	55	230	93	73	360	340	360	343	318	335	350	328	225	223	228	260	345	260	333	0.6
7	210	223	57	95	210	***	***	93	130	93	***	***	138	7	350	320	313	330	228	45	80	310	215	155	345	0.3
8	170	207	210	223	240	***	168	178	150	243	243	***	240	210	243	238	230	215	170	138	125	***	198	210	213	2.1
9	210	205	190	198	190	140	105	117	225	223	213	230	223	225	220	210	210	213	207	213	215	200	198	180	210	6.2
10	210	60	298	300	300	325	342	70	350	305	310	318	320	315	315	315	318	300	328	315	315	320	325	315	310	1.6
11	313	300	30	330	275	283	70	305	275	290	315	360	20	315	333	330	***	315	290	273	145	245	235	165	282	0.6
12	180	180	165	155	280	185	215	245	240	205	215	225	250	233	245	240	230	243	265	255	260	235	250	240	230	4.5
13	240	238	235	240	235	220	215	200	195	210	190	250	230	235	240	225	220	165	150	165	170	150	122	127	220	2.8
14	210	315	263	152	150	345	303	330	345	355	325	360	315	315	305	325	343	333	305	300	258	300	325	343	315	0.6
15	325	315	310	300	255	318	315	330	330	310	295	327	325	340	343	345	330	330	345	345	315	313	330	270	325	1.1
16	15	15	358	360	360	340	295	345	115	345	135	360	330	***	***	***	***	***	***	***	***	***	***	***	356	0.5
17	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	****
18	***	***	***	***	***	***	***	***	***	***	***	***	345	328	345	325	235	120	80	***	***	***	***	200	****	****
19	90	135	90	80	150	145	135	***	215	213	155	210	210	223	215	215	190	198	240	205	225	205	195	195	194	1.9
20	150	132	190	205	210	185	183	140	175	160	220	213	235	228	240	220	205	213	***	30	7	60	120	360	205	1.8
21	85	165	95	117	133	93	125	190	195	153	253	225	230	235	220	200	195	195	195	175	168	153	140	175	195	2.7
22	220	210	205	205	235	210	100	193	220	230	250	250	258	255	255	255	280	268	275	215	260	283	260	253	242	4.2
23	275	255	228	228	160	213	240	225	35	220	20	17	315	283	330	5	355	35	90	305	260	280	150	270	298	0.9
24	120	240	205	135	300	243	230	105	288	333	315	325	325	330	315	295	300	295	290	300	122	123	310	315	301	0.7
25	195	260	165	100	60	318	268	108	228	145	240	260	240	240	255	240	258	258	258	258	258	258	258	330	248	1.7
26	325	325	330	340	340	300	273	273	273	273	273	273	355	360	353	345	343	***	***	***	***	***	***	325	332	1.9
27	320	318	325	330	350	340	330	360	360	320	320	***	***	***	***	***	***	***	***	***	***	***	***	***	****	****
28	***	***	***	***	***	***	***	***	***	***	220	225	225	230	235	230	225	205	213	***	230	47	240	195	225	4.7
29	230	230	235	225	225	***	215	230	230	230	230	225	235	235	250	280	240	235	235	230	240	242	215	230	232	3.2
30	228	215	230	225	210	240	245	260	265	255	255	250	260	270	240	225	242	240	235	235	225	220	225	215	237	4.4
VD	217	218	220	212	231	220	218	213	223	225	231	243	252	256	257	259	253	233	234	234	230	224	230	226	236	
VV	1.2	1.4	1.3	1.2	1.1	0.8	0.8	0.8	1.3	1.3	1.8	2.5	2.3	3.1	2.6	2.3	2.2	1.9	1.6	1.9	1.7	1.7	1.9	1.6		1.6

TOTAL NUMBER OF OBSERVATIONS = 622

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
60 METER LEVEL

CB-TRACT
TRAILER AA23
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																						VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	290	240	85	150	140	150	165	340	15	117	60	55	255	237	258	215	190	185	255	255	170	165	153	190	****	****
2	183	185	200	195	200	190	200	183	170	183	163	205	153	183	168	217	195	130	190	235	253	240	212	193	****	****
3	123	115	125	***	275	300	345	305	297	310	315	337	345	343	20	12	20	15	330	297	300	275	270	255	****	****
4	135	213	180	123	137	133	225	195	165	90	355	220	210	210	220	220	228	223	220	220	220	235	212	215	****	****
5	223	210	225	43	***	225	245	257	247	210	315	320	335	320	315	310	305	320	3	***	47	80	80	315	****	****
6	345	***	90	33	168	198	60	5	285	57	343	***	350	330	313	343	325	340	230	237	260	280	320	315	****	****
7	212	175	235	117	117	133	255	105	105	103	47	90	***	345	333	318	300	225	210	25	60	275	207	233	****	****
8	150	200	205	210	210	195	190	180	198	230	245	223	235	210	225	223	213	213	190	127	180	205	198	207	****	****
9	200	200	190	185	185	193	***	95	215	210	210	213	193	205	203	200	195	200	198	200	195	195	175	168	201	9.2
10	177	32	275	290	285	303	308	60	350	302	300	303	313	310	300	303	300	283	315	298	303	303	310	305	****	****
11	285	***	312	255	190	***	303	290	285	300	300	348	355	315	315	303	***	300	285	290	170	200	220	150	****	****
12	165	168	155	150	258	185	210	230	225	195	195	220	220	220	223	225	210	228	245	255	240	230	235	230	****	****
13	223	225	220	223	225	210	200	195	190	185	180	225	210	230	220	198	210	***	150	170	145	125	120	130	****	****
14	213	315	260	150	155	305	305	340	327	360	325	360	315	320	305	315	345	333	308	300	270	290	320	330	****	****
15	330	313	310	300	285	320	310	328	330	315	295	330	328	335	340	348	300	330	345	335	318	305	325	270	****	****
16	15	3	345	3	355	340	298	345	110	333	***	355	310	343	300	303	325	280	295	275	255	163	123	210	****	****
17	135	108	138	103	63	70	105	90	360	310	288	105	15	313	288	300	140	153	273	250	135	135	287	343	****	****
18	130	85	135	140	150	133	100	***	120	123	105	138	315	300	235	290	163	168	130	135	155	148	170	185	****	****
19	140	180	***	155	168	168	150	195	195	210	183	210	207	198	215	208	190	195	213	210	213	193	185	185	****	****
20	150	145	185	195	200	183	180	168	165	170	210	200	210	210	210	195	185	195	265	60	***	30	60	210	****	****
21	195	190	85	135	180	165	135	167	193	160	190	210	225	210	195	190	185	183	180	168	160	140	148	195	****	****
22	210	195	190	190	225	215	105	205	200	215	233	240	248	230	250	245	265	270	265	213	228	285	260	255	****	****
23	255	258	235	223	180	215	238	215	5	243	5	15	298	275	305	355	350	25	80	93	330	280	100	270	****	****
24	190	135	160	125	***	295	280	193	243	310	308	305	315	305	308	285	298	330	288	298	113	130	295	305	****	****
25	250	253	205	110	85	305	225	140	210	190	210	235	225	220	250	220	225	195	183	183	180	180	180	325	****	****
26	310	315	310	325	325	303	325	343	348	318	325	313	343	345	340	328	330	5	345	315	315	315	325	320	****	****
27	320	315	325	330	345	325	335	330	328	310	298	200	223	310	315	10	115	315	290	320	145	190	205	205	****	****
28	85	170	190	180	190	200	190	195	205	215	210	215	210	230	220	212	210	195	210	230	225	225	215	195	****	****
29	210	215	218	205	210	175	210	210	215	210	210	225	225	225	243	255	255	250	235	233	225	225	225	225	****	****
30	223	205	215	215	210	230	233	233	260	210	225	243	233	220	230	223	220	225	220	220	205	205	215	205	****	****
VD	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	
VV	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****

TOTAL NUMBER OF OBSERVATIONS = 15

NOTE: **** = MISSING DATA

SIGMA HORIZ. WIND DIR. @ 10M
DEGREES

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	35	17	25	17	13	19	10	12	11	13	17	26	24	35	15	13	9	4	6	12	13	27	24	14	17	35
2	17	5	7	6	6	10	26	9	8	12	14	16	20	16	22	25	13	12	41	23	22	12	7	7	15	41
3	10	10	8	8	9	17	9	7	15	12	20	18	15	16	15	12	10	13	17	9	5	5	5	5	11	20
4	5	12	7	8	9	9	17	11	16	14	21	13	11	11	9	9	7	7	7	8	23	30	22	8	12	30
5	9	23	10	11	12	12	6	26	13	36	22	17	17	11	12	10	9	6	8	22	25	22	8	12	15	36
6	13	13	15	11	12	6	8	7	14	13	20	40	35	26	26	13	9	6	6	20	36	7	33	6	16	40
7	12	14	15	7	13	34	13	9	19	30	18	33	30	25	14	10	7	7	7	12	10	16	14	21	16	34
8	11	9	13	39	15	10	9	6	13	14	29	40	31	21	14	11	9	8	17	14	24	53	43	9	19	53
9	21	13	18	21	11	20	12	25	30	10	10	11	13	11	12	12	9	8	8	8	25	(IM)	(IM)	(IM)	15	30
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	7	( )	7
12	6	7	7	7	10	8	9	10	10	8	9	11	9	10	10	17	11	11	19	15	11	10	10	9	10	19
13	10	7	7	12	8	6	5	14	11	10	13	12	16	18	13	12	11	21	25	5	9	6	7	10	11	25
14	7	7	9	6	7	10	8	9	12	17	14	12	14	14	13	9	7	9	10	9	9	8	11	10	10	17
15	8	8	9	8	14	9	8	7	10	9	13	11	13	10	10	13	16	12	18	13	16	16	39	24	13	39
16	19	16	12	14	9	8	10	11	28	18	20	14	15	12	10	9	9	10	8	9	12	20	32	16	14	32
17	16	17	16	11	14	15	11	11	18	18	21	19	13	11	10	11	10	7	11	7	8	9	8	14	13	21
18	14	8	12	13	10	28	11	9	16	10	15	12	10	8	13	8	10	10	10	24	11	16	27	29	14	29
19	26	25	15	33	24	18	14	43	27	42	61	14	14	15	14	15	12	12	20	14	12	10	11	7	21	61
20	20	18	45	18	9	12	9	19	22	15	23	11	13	12	12	13	10	8	19	12	43	26	33	45	19	45
21	32	37	18	33	12	14	19	10	14	14	30	12	14	11	11	10	8	4	5	7	7	8	10	11	15	37
22	8	8	6	8	6	29	28	41	10	14	13	12	12	14	14	13	11	11	9	13	10	12	8	7	13	41
23	25	7	40	19	13	7	7	37	14	26	15	11	15	14	20	11	8	10	23	12	16	11	21	12	16	40
24	9	25	9	36	12	14	19	21	10	14	13	15	19	9	12	13	11	35	13	14	8	18	9	18	16	36
25	18	15	11	9	9	8	13	8	22	25	15	18	19	14	13	12	14	12	7	8	12	9	9	9	13	25
26	10	10	10	9	9	10	6	11	11	19	13	13	15	10	8	9	10	9	7	7	7	7	8	8	10	19
27	7	8	8	9	10	9	9	10	11	13	14	44	50	19	14	14	10	15	8	11	12	11	16	13	14	50
28	12	13	7	7	10	10	21	11	14	13	17	17	13	15	13	12	12	10	11	15	19	19	19	25	14	25
29	12	12	12	13	12	19	11	11	13	13	15	22	16	20	19	18	12	13	11	11	11	10	11	11	14	22
30	9	10	14	11	17	21	17	20	23	26	12	17	15	17	13	12	12	12	13	10	11	12	12	12	15	26
AV	14	13	14	14	11	14	12	15	16	17	18	18	18	15	14	12	10	11	13	12	15	15	17	14	14	
PK	35	37	45	39	24	34	28	43	30	42	61	44	50	35	26	25	16	35	41	24	43	53	43	45		61

(05/16/79-RPI)

TEMPERATURE
DEGREE C

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	4	3	3	3	2	2	2	2	4	10	13	17	17	18	18	18	17	14	11	8	7	6	5	4	9	13
2	3	5	5	7	7	7	6	6	10	14	17	17	17	18	19	18	18	14	14	13	11	11	9	6	11	19
3	6	4	6	4	3	3	3	2	4	8	10	13	14	16	18	18	18	16	11	8	7	4	3	3	8	18
4	2	2	2	2	1	1	0	1	4	9	13	17	17	18	18	18	17	14	12	10	10	9	8	7	9	13
5	7	7	6	6	5	4	3	3	2	7	12	13	13	14	14	14	13	11	8	5	3	2	1	2	7	14
6	0	0	-2	-3	-4	-5	-5	-5	-1	3	8	10	12	13	13	13	12	8	5	3	2	1	1	0	3	13
7	-1	-1	-2	-2	-3	-3	-3	-3	2	7	11	13	16	17	17	16	15	12	9	7	6	6	2	2	6	17
8	1	2	2	2	2	2	2	2	6	11	13	17	18	18	19	19	18	13	9	9	8	7	6	5	9	19
9	4	4	4	4	4	4	4	6	9	14	15	16	16	16	16	16	16	14	13	13	13	12	10	8	10	16
10	8	7	5	2	1	1	1	1	1	1	1	1	1	2	1	1	0	-1	-2	-3	-4	-4	-4	-5	0	8
11	-6	-6	-6	-6	-5	-5	-5	-5	-5	-4	-4	-2	-1	0	0	1	1	1	0	1	1	1	2	5	-2	5
12	4	6	6	7	6	4	6	5	6	6	6	6	5	4	4	6	4	3	2	1	1	2	1	-3	4	7
13	-3	-4	-7	-5	-7	-7	-7	-5	-3	-1	2	3	3	3	3	3	3	2	2	1	2	1	1	-1	-1	3
14	-1	-1	-1	-2	-3	-4	-5	-4	-4	-3	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	-1	-1	-1	-1	-1	-1	0	1
16	-2	-2	-3	-3	-3	-3	-3	-4	-3	-3	-3	-1	1	0	1	1	0	-3	-5	-6	-4	-4	-3	-4	-2	1
17	-3	-4	-4	-4	-5	-5	-6	-6	-6	-6	-5	-4	-3	-2	-1	0	1	-1	-4	1	-6	-6	-7	-6	-4	1
18	-6	-6	-7	-8	-8	-10	-11	-9	-9	-8	-6	-3	-2	0	2	2	1	-1	-3	-4	-4	-4	-5	-6	-5	2
19	-8	-8	-8	-7	-7	-7	-8	-8	-8	-7	-4	0	7	8	8	9	9	6	2	1	-1	-1	-3	-3	-1	9
20	-5	-4	-5	-6	-8	-8	-7	-7	-8	-7	-3	9	11	11	11	12	6	3	0	0	-2	-3	-4	-7	-1	12
21	-7	-7	-8	-7	-7	-8	-8	-7	-6	-3	-2	2	6	13	12	12	9	5	0	0	-3	-3	-4	-3	-1	13
22	-3	-3	-3	-4	-3	-1	0	1	4	5	7	7	8	8	8	7	6	2	0	0	-1	-3	-5	-3	1	8
23	-3	-4	-4	-3	-3	-2	-2	-3	-3	2	5	6	6	8	8	7	6	2	0	-2	-2	-3	-5	-4	0	8
24	-6	-5	-6	-7	-8	-8	-7	-7	-6	-3	1	3	4	4	4	4	3	3	1	0	0	0	-1	-1	-2	4
25	-1	0	0	-1	0	0	0	0	1	1	2	3	3	6	4	4	4	4	4	3	3	3	2	0	2	6
26	0	0	-1	-1	-2	-2	-4	-5	-5	-4	-2	0	0	1	1	0	0	0	-1	-1	-2	-2	-3	-3	-1	1
27	-3	-3	-4	-5	-4	-3	-5	-6	-5	-3	-3	0	1	0	1	1	-3	-6	-8	-9	-10	-9	-9	-9	-4	1
28	-8	-8	-7	-7	-7	-4	-3	-1	0	0	1	2	2	3	3	3	2	2	2	1	1	1	1	1	-1	3
29	-1	-2	-3	-3	-3	-2	-2	-1	0	2	2	2	2	2	3	3	3	3	3	3	2	2	2	1	1	3
30	0	0	1	1	1	1	1	2	2	2	4	5	7	7	6	5	4	5	4	5	4	6	6	6	4	7
AV	-1	-1	-1	-2	-2	-2	-2	-2	-1	2	4	6	7	8	8	8	7	5	3	2	1	1	0	0	2	
PK	8	7	6	7	7	7	6	6	10	14	17	17	18	18	19	19	18	16	14	13	13	12	10	8		19

(05/16/79-RPI)

TEMPERATURE @ 10M
DEGREE C

Cb-TRACT
TRAILER 23
NOV 1973
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	6	7	8	6	6	8	6	4	6	10	14	16	16	16	17	16	16	14	12	11	11	9	10	8	10	17
2	8	11	10	12	11	9	8	10	13	15	16	16	16	17	18	18	17	16	13	9	8	7	6	6	12	18
3	4	4	4	3	3	3	2	2	4	6	8	11	13	14	17	17	17	15	13	12	9	9	9	7	9	17
4	6	6	6	6	6	4	4	5	8	11	15	16	16	17	17	17	14	12	12	11	11	9	9	8	10	17
5	8	7	7	6	7	6	4	4	4	8	8	11	13	13	12	12	10	8	7	6	6	3	3	2	7	13
6	2	0	1	-1	-2	-1	-3	-2	-1	1	5	7	8	10	11	11	8	8	6	6	6	4	3	2	4	11
7	2	2	1	1	0	1	-1	-1	2	7	11	13	14	15	16	15	14	11	11	10	9	8	7	7	7	16
8	8	8	7	7	7	7	7	8	10	13	14	17	17	18	18	17	14	13	13	11	10	10	9	9	11	18
9	9	8	8	9	8	7	7	8	11	11	13	13	14	14	15	16	13	13	12	12	12	9	9	8	11	16
10	8	8	2	-3	-3	-4	-4	-5	-4	-4	-4	-4	-4	-3	-4	-5	-6	-6	-7	-8	-8	-9	-9	-9	-4	8
11	-10	-10	-10	-10	-11	-10	-9	-10	-11	-9	-8	-7	-5	-4	-4	-4	-4	-4	-4	-4	0	-1	0	1	-6	1
12	2	3	2	2	1	2	2	2	1	1	1	1	1	-1	0	1	-2	-1	-2	-3	-4	-4	-3	-3	0	3
13	-4	-4	-4	-4	-5	-4	-6	-6	-5	-3	-2	-1	-1	-1	0	-1	-2	-2	-3	-3	-4	-4	-4	-4	-3	0
14	-4	-5	-5	-5	-6	-7	-8	-9	-7	-7	-6	-6	-6	-4	-4	-4	-5	-6	-6	-7	-7	-7	-7	-7	-6	-4
15	-6	-6	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-5	-6	-5	-6	-6	-6	-7	-7	-7	-7	-7	-7	-6	-5
16	-8	-8	-8	-8	-8	-8	-8	-9	-8	-8	-6	-6	-5	-3	-4	-4	-4	-6	-7	-8	-9	-9	-8	-8	-7	-3
17	-9	-9	-11	-11	-12	-12	-12	-14	-12	-11	-9	-7	-5	-4	-6	-5	-5	-4	-5	-7	-7	-7	-12	-12	-9	-4
18	-13	-14	-14	-15	-14	-10	-16	-16	-12	-9	-7	-4	-1	0	0	-1	-1	-2	-4	-7	-5	-4	-2	-2	-7	0
19	-2	-1	-2	-4	-2	-1	-1	-1	1	3	4	5	6	6	6	6	6	3	3	2	2	2	2	2	2	6
20	2	1	1	1	2	2	1	1	2	5	7	7	8	8	8	8	7	5	4	2	-1	-2	-1	1	3	8
21	2	2	1	1	2	1	-1	1	-1	4	6	8	9	9	9	9	8	6	5	4	4	5	4	5	4	9
22	6	6	4	3	2	2	2	2	1	1	2	3	4	5	6	6	4	2	1	1	-1	-1	-1	-1	3	6
23	-1	-2	-2	-2	-2	-1	-2	-4	-2	-1	2	2	3	4	4	4	2	1	-1	-1	-1	-3	-3	-4	0	4
24	-2	-3	-4	-4	-6	-6	-5	-6	-6	-4	-2	1	2	2	1	0	0	-1	-1	-2	-2	-2	-3	-3	-2	2
25	-3	-4	-3	-3	-3	-3	-3	-3	-2	2	3	4	5	4	3	1	1	1	1	1	-1	-1	-2	-4	0	5
26	-4	-5	-6	-6	-6	-7	-7	-7	-8	-7	-5	-4	-3	-3	-3	-4	-4	-4	-4	-5	-7	-7	-7	-7	-5	-3
27	-7	-7	-8	-8	-8	-9	-9	-9	-9	-8	-7	-7	-5	-4	-3	-3	-3	-3	-5	-7	-7	-8	-8	-7	-7	-3
28	-7	-8	-6	-7	-6	-4	-4	-4	-3	-3	-2	-2	-2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-3	-3	-1
29	-3	-3	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	-1	0	0	1	1	-1	-1	-1	-1	-1	-1	-2	-1	1
30	-3	-3	-1	-1	-1	-1	-1	0	1	1	2	2	3	4	2	2	1	1	1	1	1	2	2	3	1	4
AV	0	-1	-1	-1	-2	-2	-2	-2	-1	1	2	3	4	5	5	5	4	3	2	1	1	0	0	0	1	
PK	9	11	10	12	11	9	8	10	13	15	16	17	17	18	18	18	17	16	13	12	12	10	10	9		18

(05/16/79-RPI)

TEMPERATURE @ 30M
DEGREE C

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	7	8	8	7	7	8	7	6	7	8	13	13	13	15	16	16	16	15	13	11	11	10	10	9	11	16
2	9	10	9	12	11	10	7	10	13	13	14	16	16	16	17	17	17	16	19	9	8	7	6	6	12	19
3	4	4	4	4	3	3	2	2	3	4	7	10	11	14	16	16	16	15	14	12	10	9	8	8	8	16
4	7	7	7	7	7	5	4	5	8	11	13	16	16	16	16	15	14	13	11	10	10	9	8	9	10	16
5	9	8	8	7	7	7	7	4	5	7	9	11	11	11	12	11	11	8	7	6	5	4	3	2	7	12
6	2	1	1	0	-1	-1	-2	-2	-1	2	4	7	8	9	10	10	9	8	7	6	6	4	2	2	4	10
7	2	3	2	1	2	1	-1	1	2	6	10	12	14	14	14	14	14	12	11	10	9	8	7	7	7	14
8	8	9	7	8	7	7	7	8	11	13	14	16	16	17	17	17	15	12	12	11	10	10	10	10	11	17
9	9	9	8	8	8	7	7	8	10	12	12	13	13	14	14	14	13	13	13	12	11	12	8	8	11	14
10	9	8	2	-3	-6	-4	-5	-5	-5	-6	-6	-5	-5	-4	-5	-4	-6	-7	-8	-9	-9	-9	-10	-10	-5	9
11	-10	-10	-11	-11	-11	-11	-10	-12	-11	-11	-9	-9	-7	-5	-5	-5	-4	-4	-5	-5	0	2	0	1	-7	2
12	2	3	2	2	0	2	2	2	1	0	1	0	1	-1	-1	1	-1	0	-3	-3	-4	-5	-4	-4	0	3
13	-4	-4	-5	-5	-5	-4	-6	-6	-4	-3	-5	-2	-2	-2	-2	-2	-2	-3	-4	-4	-4	-4	-4	-5	-4	-2
14	-5	-6	-6	-6	-6	-7	-8	-8	-7	-7	-6	-6	-6	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-7	-6	-5
15	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-7	-7	-7	-7	-8	-8	-8	-8	-7	-6
16	-8	-8	-9	-9	-9	-9	-9	-9	-9	-8	-7	-6	-6	-5	-5	-4	-5	-6	-7	-8	-9	-9	-9	-9	-8	-4
17	-9	-10	-10	-11	-12	-12	-12	-11	-13	-11	-10	-7	-6	-6	-6	-6	-6	-4	-6	-7	-7	-6	-10	-13	-7	-4
18	-14	-14	-14	-14	-12	-8	-12	-14	-13	-10	-7	-4	-1	-1	-1	-1	-2	-3	-4	-7	-2	-2	-1	-2	-7	-1
19	-2	-1	-2	-1	-1	-1	-1	-1	0	2	4	4	4	5	5	6	4	3	3	2	2	2	2	2	2	6
20	1	1	1	1	2	1	1	1	2	4	6	7	7	8	8	8	7	6	5	4	2	-1	3	2	4	8
21	2	2	2	3	2	2	2	2	2	5	6	6	6	6	7	8	8	7	7	7	6	6	6	6	5	8
22	7	6	4	4	2	2	2	2	1	0	2	3	4	4	5	4	4	2	1	1	-1	-1	-1	0	2	7
23	-1	-1	-1	-2	-2	-2	-1	-4	-2	-1	1	1	2	4	3	3	2	1	-1	-1	-1	-3	-3	-3	0	4
24	-3	-2	-3	-4	-6	-6	-6	-6	-6	-6	-3	-1	-2	1	-1	-1	-1	-1	-1	-2	-2	-2	-3	-4	-3	1
25	-3	-3	-3	-3	-3	-4	-4	-3	-1	2	2	3	4	3	1	1	1	1	1	-1	-1	-1	-2	-4	-1	4
26	-5	-6	-6	-7	-7	-7	-7	-8	-8	-7	-7	-6	-6	-4	-4	-4	-5	-5	-6	-7	-7	-7	-7	-7	-6	-4
27	-8	-8	-9	-8	-8	-9	-9	-10	-10	-9	-9	-8	-8	-7	-6	-4	-4	-4	-5	-6	-7	-8	-7	-7	-8	-4
28	-7	-6	-6	-6	-6	-6	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-4	-2
29	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-1
30	-2	-2	-2	-2	-2	-1	-1	-1	0	0	1	2	2	4	2	1	1	2	1	1	1	2	2	2	0	4
AV	0	0	-1	-1	-2	-2	-2	-2	-1	0	1	2	3	4	4	4	3	3	2	1	1	0	0	0	1	
PK	9	10	9	12	11	10	7	10	13	13	14	16	16	17	17	17	17	16	19	12	11	12	10	10		19

(05/16/79-RPI)

TEMPERATURE @ 60M *
DEGREE C

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	8	9	9	9	8	9	9	7	8	11	14	15	15	16	16	16	15	15	12	13	13	11	11	10	12	16
2	13	13	12	13	13	11	10	12	13	15	15	16	15	16	17	17	17	16	13	9	8	7	7	6	13	17
3	5	5	5	5	4	3	3	3	4	5	7	10	12	13	17	17	17	16	14	13	11	11	10	9	9	17
4	8	7	8	8	9	7	7	8	11	11	15	16	15	17	16	16	15	13	13	12	11	10	10	10	11	17
5	10	8	8	8	8	8	6	5	6	7	8	11	12	12	12	13	10	9	8	7	6	4	3	3	8	13
6	3	1	1	0	-1	-1	-1	0	0	1	5	6	8	10	11	10	8	8	7	7	7	6	4	3	4	11
7	3	4	3	2	3	3	2	2	3	6	10	12	14	14	15	15	14	12	13	11	12	10	9	9	8	15
8	10	9	9	9	9	9	9	10	12	13	14	17	17	18	19	17	15	14	14	12	11	11	10	10	12	18
9	10	9	9	9	8	8	8	9	10	11	13	13	13	13	15	16	13	13	12	12	12	10	10	9	11	16
10	9	9	3	-3	-3	-4	-4	-5	-4	-5	-5	-4	-4	-4	-4	-5	-6	-6	-7	-9	-9	-9	-9	-10	-4	9
11	-10	-10	-10	-10	-11	-10	-6	-10	-11	-10	-9	-8	-6	-4	-4	-4	-4	-4	-4	-3	3	3	2	2	-6	3
12	3	4	3	3	1	2	2	2	1	1	0	0	1	-1	0	0	-2	-1	-2	-3	-4	-4	-3	-3	0	4
13	-4	-4	-4	-4	-4	-4	-5	-4	-5	-4	-2	-1	-1	-1	0	-1	-2	-2	-3	-3	-4	-4	-4	-5	-3	0
14	-4	-5	-5	-5	-5	-6	-7	-8	-7	-7	-6	-6	-6	-4	-4	-5	-5	-6	-6	-7	-7	-7	-7	-7	-6	-4
15	-6	-6	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-5	-6	-5	-6	-6	-6	-7	-7	-7	-7	-7	-7	-6	-5
16	-8	-8	-8	-8	-9	-9	-9	-9	-8	-8	-6	-5	-5	-2	-4	-4	-4	-5	-6	-8	-9	-9	-9	-9	-7	-2
17	-10	-9	-10	-11	-11	-12	-12	-13	-11	-11	-9	-6	-4	-4	-6	-5	-4	-2	-3	-6	-4	-4	-8	-11	-8	-2
18	-9	-11	-10	-10	-9	-5	-11	-13	-9	-6	-4	-2	1	0	1	1	2	1	-1	-3	0	0	-1	-1	-4	2
19	-1	-1	0	1	0	0	0	-1	1	3	4	5	6	5	5	6	6	3	3	2	2	2	2	2	2	6
20	2	2	1	1	2	2	2	2	3	5	6	7	8	8	8	8	7	5	5	3	3	2	3	4	4	8
21	3	3	3	3	2	3	1	2	2	6	7	8	9	10	9	9	8	7	7	6	6	6	5	6	5	10
22	7	7	5	4	3	3	2	2	1	1	2	4	5	6	7	6	5	3	1	1	0	0	1	1	3	7
23	0	0	0	-1	-1	0	0	-2	-2	-1	1	1	3	4	4	4	2	1	0	0	0	-2	-3	-2	0	4
24	0	-1	-2	-2	-4	-5	-4	-5	-4	-4	-2	0	1	1	1	0	0	0	-1	-1	-1	-1	-2	-3	-2	1
25	-2	-3	-2	-2	-3	-3	-3	-2	1	3	3	4	5	4	4	1	1	1	1	1	-1	0	-1	-5	0	5
26	-5	-5	-6	-6	-6	-7	-7	-7	-7	-7	-5	-5	-4	-4	-4	-4	-4	-4	-4	-5	-7	-7	-7	-7	-5	-4
27	-7	-7	-8	-8	-8	-10	-9	-9	-9	-8	-7	-6	-6	-4	-4	-3	-3	-3	-4	-6	-6	-5	-7	-6	-6	-3
28	-6	-6	-5	-6	-5	-4	-4	-4	-3	-3	-2	-1	-1	-1	-1	-2	-2	-2	-2	-1	-2	-2	-2	-3	-3	-1
29	-3	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	-1	0	0	0	0	-1	0	-1	-1	-1	0	-1	-1	0
30	-2	-2	-1	-1	-1	-1	-1	0	0	1	2	2	3	4	2	2	1	1	1	0	1	2	2	3	1	4
AV	0	0	0	0	-1	-1	-1	-1	0	1	2	3	4	5	5	4	4	3	2	2	1	1	1	0	1	
PK	10	13	12	13	13	11	10	12	13	15	15	17	17	18	16	17	17	16	14	13	13	11	11	10		18

* COMPUTED USING TEMP @10m AND DELTA T 60-10m

(05/16/79-RPI)

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD42 PERIOD(11/01/78 TO 11/30/78)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-1	-1	-1	-1	-3	-3	-3	-2	-1	4	12	13	14	13	14	13	13	12	9	4	2	1	0	0	5
2	-1	0	0	2	2	2	2	1	4	11	13	13	14	14	16	16	14	12	12	7	6	6	4	1	7
3	1	0	0	0	0	0	-1	-3	0	2	5	8	10	12	14	15	13	12	10	8	4	2	0	0	5
4	-2	-3	-4	-3	-5	-5	-5	-5	-1	5	12	13	13	14	14	13	12	10	3	6	6	4	3	2	4
5	2	1	1	0	0	-1	-1	-1	-1	4	6	9	10	9	9	9	8	6	4	2	2	-1	-2	-4	3
6	-4	-4	-7	-3	-3	-10	-9	-10	-6	-2	3	7	7	7	9	9	6	4	1	-1	-2	-4	-4	-5	0
7	-7	-6	-7	-6	-8	-8	-8	-8	-5	2	8	12	13	13	13	12	12	9	7	4	2	0	-1	-1	2
8	-2	-2	-2	-1	-1	-2	-1	-1	1	8	12	13	15	17	17	16	13	10	7	6	5	4	2	1	6
9	2	2	2	0	3	2	3	3	4	10	10	11	11	13	13	13	12	11	10	9	9	6	6	6	7
10	6	3	2	-3	-5	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-8	-8	-8	-10	-11	-11	-12	-12	-12	-5
11	-12	-12	-13	-13	-13	-13	-13	-13	-13	-12	-11	-5	-5	-7	-6	-7	-7	-7	-7	-7	-7	-7	-5	-3	-8
12	-3	-1	-2	-1	-2	-2	-1	-2	-2	-2	-1	-1	-1	-3	-2	-1	-3	-4	-5	-6	-6	-6	-7	-6	-2
13	-6	-6	-6	-6	-7	-6	-6	-5	-5	-5	-4	-4	-3	-1	-1	-2	-2	-5	-4	-5	-5	-6	-6	-6	-4
14	-6	-6	-7	-7	-8	-9	-11	-10	-7	-5	-6	-6	-5	-5	-5	-5	-6	-6	-6	-7	-7	-7	-7	-7	-6
15	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-7	-7	-7	-7	-7	-6	-6
16	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7	-17	-6	-5	-5	-5	-5	-5	-7	-10	-10	-11	-11	-11	-11	-7
17	-11	-11	-11	-11	-11	-11	-11	-11	-12	-12	-12	-12	-6	-6	-5	-5	-5	-6	-8	-8	-12	-12	-13	-13	-9
18	-14	-14	-14	-16	-16	-17	-17	-17	-15	-11	-8	-5	-3	-3	0	0	-3	4	-8	-11	-12	-12	-12	-11	-8
19	-12	-12	-12	-14	-14	-14	-14	-13	-11	-6	2	3	3	4	4	3	3	3	0	-3	-5	-5	-6	-6	-4
20	-6	-5	-6	-5	-6	-6	-5	-5	-3	0	4	6	6	7	7	7	6	6	4	0	-5	-6	-6	-6	0
21	-8	-8	-8	-11	-11	-11	-11	-10	-6	-3	-3	3	7	7	7	6	6	4	0	-1	-3	-3	-4	-4	-2
22	-3	0	2	0	0	0	4	0	0	0	0	2	25	3	3	2	2	0	-3	-5	-6	-6	-6	-7	0
23	-7	-8	-8	-8	-8	-8	-8	-8	-6	-3	0	0	6	2	2	2	0	-1	-3	-6	-6	-6	-8	-10	-3
24	-11	-11	-11	-11	-11	-11	-11	-11	-11	-6	-5	-3	0	0	0	0	-2	-3	-3	-5	-5	-5	-6	-6	-5
25	-6	-6	-6	-6	-6	-6	-6	-6	-3	-2	0	2	2	3	0	0	0	0	0	-2	-3	-3	-5	-6	-2
26	-6	-6	-6	-8	-8	-8	-8	-11	-11	-5	-5	-5	-5	-5	-6	-6	-6	-6	-6	-6	-6	-8	-8	-8	-6
27	-8	-8	-11	-11	-11	-11	-11	-11	-11	-10	-8	-5	-3	-3	-3	-5	-5	-8	-11	-14	-14	-14	-14	-14	-9
28	-14	-12	-12	-12	-12	-11	-8	-6	-6	-5	-4	-3	-3	-3	-3	-3	-4	-4	-5	-5	-5	-5	-6	-6	-6
29	-6	-6	-6	-6	-6	-8	-8	-6	-6	-4	-3	-3	0	0	0	0	-2	-3	-3	-3	-4	-4	-5	-5	-3
30	-6	-6	-6	-6	-6	-6	-6	-4	-2	-2	0	3	2	3	3	0	0	0	0	0	0	-1	-1	-1	-1
MEAN	-5	-4	-5	-5	-6	-6	-6	-6	-4	-1	0	2	4	3	3	3	2	1	0	-2	-3	-3	-4	-4	0

TOTAL NUMBER OF OBSERVATIONS = 720

DELTA TEMPERATURE 60-10M
DEGREE C*100

CR-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	183	183	142	245	210	84	260	265	255	75	-35	-35	-50	-40	-40	-40	-20	45	65	175	200	180	127	194	110	265
2	188	235	235	110	200	179	160	170	-20	-45	-87	-40	-65	-35	-46	-46	-20	25	-5	-15	-25	-15	54	75	49	235
3	100	99	85	185	65	70	85	110	-35	-40	-45	-71	-71	-75	-50	-40	-20	55	125	120	135	160	135	250	56	250
4	200	125	235	260	350	285	300	311	235	0	-25	-55	-60	-65	-40	-30	10	55	100	105	20	55	88	125	103	350
5	130	105	125	150	50	165	185	105	135	-25	-50	-55	-45	-50	-50	35	35	25	50	50	55	100	75	125	59	185
6	150	85	55	75	80	59	211	225	105	-20	-25	-45	-40	-40	-45	-35	5	50	105	180	175	150	135	145	73	225
7	100	150	235	180	275	210	295	250	175	-16	-70	-45	-35	-50	-50	-40	-20	84	200	100	225	235	190	200	117	295
8	185	169	200	275	175	200	175	205	155	-10	-40	-40	-40	-40	-50	-40	10	35	100	50	70	60	60	50	80	275
9	75	81	50	50	65	0	90	25	-20	35	20	0	-50	-40	10	20	-5	-5	-5	-5	0	35	84	100	28	100
10	55	105	130	0	25	0	-30	-40	-40	-40	-40	-40	-50	-50	-45	-40	-35	-20	-25	-25	-16	-20	-20	-20	-13	130
11	-20	-20	-15	-15	-20	5	125	-25	-15	-15	-31	-50	-81	-45	-40	-30	-10	0	25	75	300	375	230	100	33	375
12	85	85	50	55	35	55	15	20	0	-5	-15	-15	0	0	-10	-20	-10	-10	-5	0	5	25	0	20	15	85
13	10	10	60	40	75	75	100	130	50	-15	-20	-25	-20	-15	-10	-25	-25	-25	-10	15	25	25	5	-10	18	130
14	0	0	10	30	65	35	137	45	0	15	5	20	5	5	5	-10	-20	-25	-25	-30	-30	-30	-20	-15	9	137
15	-25	-15	-20	-10	-10	-15	-20	-15	-5	0	10	-5	-15	-40	-30	-35	-25	-20	-10	-5	-15	-15	-10	-15	-15	10
16	-15	-15	-15	-20	-15	-20	-20	-15	10	15	50	25	45	100	80	60	15	35	55	25	-15	-25	-25	-25	12	100
17	-25	0	15	0	15	-5	-20	118	100	40	50	93	55	35	20	35	100	150	170	99	240	311	400	106	83	400
18	450	250	400	481	500	460	500	255	300	325	310	210	175	25	75	120	275	363	275	360	500	475	125	55	303	500
19	80	50	200	500	275	100	60	60	15	0	0	10	0	-10	-10	-15	0	-10	10	10	15	10	20	40	59	500
20	65	45	20	10	40	5	45	45	40	0	-20	-20	-10	-15	-10	-15	0	5	55	175	400	475	324	275	81	475
21	55	31	145	175	75	155	155	109	275	165	100	15	5	30	0	0	20	130	155	160	165	150	90	80	102	275
22	50	55	105	55	35	40	25	35	0	0	20	105	55	100	81	25	50	110	35	73	100	95	220	130	67	220
23	160	145	131	105	75	95	216	200	25	-15	-25	-20	-15	-10	0	-25	0	40	55	81	125	90	60	137	68	216
24	186	240	230	220	200	125	116	75	131	15	-25	-10	-20	-20	-20	-20	0	20	45	55	55	75	89	50	75	240
25	82	125	95	100	25	20	40	120	355	50	0	0	5	-10	25	-5	-10	0	5	5	25	50	25	-10	47	355
26	-10	-15	-15	-15	-10	-5	0	10	50	0	10	-50	-100	-35	-25	-25	-20	-5	0	0	10	5	5	0	-10	50
27	5	-5	15	0	-10	-15	-10	-5	0	20	75	25	-50	-25	-25	-20	15	64	125	50	99	296	130	56	34	296
28	155	135	100	105	125	50	20	10	0	0	20	25	50	-20	-15	-20	-10	-20	5	20	0	5	45	0	33	155
29	25	50	40	45	50	50	10	15	0	-20	-20	-10	-15	-10	-10	-15	-15	0	20	0	5	5	10	45	11	50
30	40	30	20	0	-10	0	-10	-10	-5	10	5	-15	-15	-10	10	75	-5	0	-10	-5	-15	10	0	0	4	75
AV	91	84	102	113	100	85	107	93	76	17	3	-4	-15	-15	-10	-7	9	38	56	63	94	112	88	75	57	
PK	450	250	400	500	500	460	500	311	355	325	310	210	175	100	81	120	275	363	275	360	500	475	400	275		500

(05/16/79-RPI)

RELATIVE HUMIDITY @ 3M
PERCENT

CP-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	62	62	62	64	67	69	71	73	73	62	40	33	31	28	25	25	27	30	38	44	48	51	54	54	50	73
2	56	58	48	53	48	49	51	58	51	43	39	36	32	28	24	24	25	26	27	44	63	67	73	60	46	80
3	85	88	88	87	89	89	93	94	95	72	58	49	41	32	27	23	21	21	25	25	35	45	50	55	53	95
4	60	65	67	69	71	68	68	67	62	42	33	25	23	22	21	21	21	23	28	32	34	36	42	40	44	71
5	50	54	58	63	66	68	71	74	76	62	41	35	29	24	25	24	26	32	37	43	44	43	45	45	47	76
6	43	45	49	52	52	56	58	59	58	48	41	29	23	21	19	19	20	23	28	32	33	36	41	43	39	59
7	47	47	50	52	55	60	63	66	61	51	39	31	28	26	24	23	25	27	32	36	41	45	48	52	43	66
8	53	54	52	52	52	52	52	53	50	48	33	25	20	20	19	19	20	22	26	28	29	32	35	38	37	54
9	40	43	47	51	53	54	57	57	55	46	44	34	37	35	32	31	27	31	34	35	37	38	40	41	42	57
10	45	47	47	52	69	77	79	80	68	97	96	92	91	90	90	90	92	94	96	97	97	97	97	97	83	97
11	97	97	97	97	97	97	99	99	99	97	93	89	75	72	75	84	88	96	96	98	98	98	97	96	93	99
12	96	95	92	91	85	89	89	88	79	75	66	67	77	81	86	83	83	72	82	80	90	90	75	66	82	96
13	70	72	68	65	68	70	71	80	82	70	67	57	60	60	55	56	61	63	75	76	79	86	86	86	71	83
14	88	85	89	89	88	88	89	92	91	91	91	89	73	78	78	78	81	82	95	86	86	87	87	88	86	92
15	89	88	88	88	89	89	89	89	89	89	87	82	79	80	80	80	80	84	86	87	88	88	89	89	86	89
16	89	89	89	90	90	90	90	91	91	90	86	89	79	69	62	63	63	68	81	87	92	93	95	95	84	93
17	93	92	91	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	65	77	77	77	81	83	88	88	91	89	92	( )	93
18	89	88	88	87	86	86	86	85	85	82	35	69	63	56	52	50	54	69	81	85	87	91	89	91	79	91
19	75	72	66	67	76	84	66	60	52	44	37	34	36	36	35	35	33	41	49	52	53	55	55	55	53	84
20	58	58	59	60	57	55	56	59	55	46	38	36	36	36	35	35	35	39	45	52	65	84	87	77	53	87
21	70	67	65	65	63	65	65	67	69	64	65	50	35	33	32	29	30	30	39	42	43	45	45	45	51	70
22	48	54	54	56	58	59	59	62	62	78	84	61	43	50	43	36	35	35	48	52	55	63	65	66	55	84
23	69	69	75	77	79	79	73	77	77	77	60	42	44	44	42	37	40	42	48	57	67	73	74	80	63	80
24	84	85	86	86	86	87	88	92	92	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	92
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	68	68	61	56	52	52	56	61	70	70	75	77	73	76	( )	77
29	76	76	72	78	78	78	78	78	77	76	73	82	83	83	85	84	72	77	77	79	80	80	80	80	79	85
30	79	80	82	82	80	81	90	85	83	78	77	77	70	61	63	46	68	70	74	75	74	74	75	75	75	90
AV	70	71	71	71	72	74	74	75	74	68	62	55	51	50	48	46	49	52	57	61	65	68	69	70	62	
PK	97	97	97	97	97	97	99	99	99	97	96	92	91	90	90	90	92	96	96	98	98	98	97	97		99

(05/16/79-RFI)

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	0	0	0	0	0	0	0	3	12	33	30	27	26	37	37	14	6	0	0	0	0	0	0	0	225	37
2	0	0	0	0	0	0	0	7	19	33	43	48	49	42	34	18	3	0	0	0	0	0	0	0	296	49
3	0	0	0	0	0	0	0	3	21	33	42	46	46	42	33	18	6	0	0	0	0	0	0	0	290	46
4	0	0	0	0	0	0	0	7	18	35	43	47	42	42	18	15	6	0	0	0	0	0	0	0	273	47
5	0	0	0	0	0	0	0	1	18	33	41	46	50	45	34	17	5	0	0	0	0	0	0	0	290	50
6	0	0	0	0	0	0	0	3	23	30	45	49	47	41	31	13	2	0	0	0	0	0	0	0	284	49
7	0	0	0	0	0	0	0	8	19	33	44	46	46	40	32	13	2	0	0	0	0	0	0	0	283	46
8	0	0	0	0	0	0	0	7	19	33	42	46	43	36	30	17	6	0	0	0	0	0	0	0	279	46
9	0	0	0	0	0	0	0	6	21	34	42	45	45	39	30	19	2	0	0	0	0	0	0	0	283	45
10	0	0	0	0	0	0	0	0	2	16	20	20	13	10	9	4	0	0	0	0	0	0	0	0	94	20
11	0	0	0	0	0	0	0	0	1	3	6	13	9	4	2	2	0	0	0	0	0	0	0	0	40	13
12	0	0	0	0	0	0	0	0	4	12	19	12	25	13	10	24	5	0	0	0	0	0	0	0	123	25
13	0	0	0	0	0	0	0	1	6	16	33	23	27	24	22	8	3	0	0	0	0	0	0	0	163	33
14	0	0	0	0	0	0	0	1	5	9	10	13	11	8	6	2	0	0	0	0	0	0	0	0	65	13
15	0	0	0	0	0	0	0	0	2	6	9	10	9	8	5	2	0	0	0	0	0	0	0	0	51	10
16	0	0	0	0	0	0	0	1	5	10	14	21	19	25	23	15	7	0	0	0	0	0	0	0	140	25
17	0	0	0	0	0	0	0	3	8	12	18	24	25	23	10	3	1	0	0	0	0	0	0	0	127	25
18	0	0	0	0	0	0	0	3	12	15	21	24	36	15	18	13	2	0	0	0	0	0	0	0	159	36
19	0	0	0	0	0	0	0	4	17	27	38	43	43	36	27	13	1	0	0	0	0	0	0	0	249	43
20	0	0	0	0	0	0	0	3	14	28	39	42	41	36	25	12	1	0	0	0	0	0	0	0	241	42
21	0	0	0	0	0	0	0	2	9	9	13	33	41	34	27	12	1	0	0	0	0	0	0	0	181	41
22	0	0	0	0	0	0	0	1	7	13	13	37	43	38	30	21	6	0	0	0	0	0	0	0	209	43
23	0	0	0	0	0	0	0	1	18	27	37	15	18	39	24	15	3	0	0	0	0	0	0	0	197	39
24	0	0	0	0	0	0	0	0	1	21	34	42	42	21	18	7	1	0	0	0	0	0	0	0	187	42
25	0	0	0	0	0	0	0	0	1	3	3	13	42	15	15	1	1	0	0	0	0	0	0	0	94	42
26	0	0	0	0	0	0	0	0	7	15	21	24	23	30	11	5	1	0	0	0	0	0	0	0	137	30
27	0	0	0	0	0	0	0	1	7	16	36	54	45	39	25	3	0	0	0	0	0	0	0	0	226	54
28	0	0	0	0	0	0	0	1	2	7	14	18	25	21	9	4	2	0	0	0	0	0	0	0	103	25
29	0	0	0	0	0	0	0	2	6	9	15	18	13	12	8	3	2	0	0	0	0	0	0	0	88	18
30	0	0	0	0	0	0	0	0	1	3	9	21	21	30	9	7	2	0	0	0	0	0	0	0	103	30
TL	0	0	0	0	0	0	0	69	305	574	793	920	965	845	612	320	77	0	0	0	0	0	0	0	5480	
PK	0	0	0	0	0	0	0	8	23	35	45	56	50	45	37	24	7	0	0	0	0	0	0	0		56

(05/16/79-RPI)

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	790	791	791	791	791	791	791	791	791	791	791	791	791	790	790	789	789	789	788	789	789	789	789	789	790	791
2	789	789	789	789	789	789	788	789	789	788	787	787	786	785	784	785	785	784	784	784	786	786	786	786	787	789
3	786	786	785	785	785	786	786	786	787	788	789	789	788	788	788	788	787	787	788	788	788	788	789	789	787	789
4	788	787	787	787	787	787	787	787	787	786	786	785	784	784	783	783	783	783	782	782	782	782	782	782	785	788
5	782	782	782	782	782	782	782	782	783	783	784	783	783	782	782	782	782	782	783	784	785	785	785	786	783	786
6	786	787	787	787	787	788	788	788	788	789	789	789	789	789	788	788	788	789	789	789	789	790	790	791	788	791
7	791	791	791	791	791	791	792	792	792	792	792	792	791	790	790	790	790	790	790	790	790	790	790	790	791	792
8	790	789	789	789	788	788	788	788	788	788	788	787	786	785	785	784	784	784	783	783	783	783	783	782	786	790
9	782	782	781	781	780	780	779	779	779	778	777	777	776	775	775	774	774	774	774	774	773	773	773	774	777	782
10	774	774	775	775	776	776	776	776	776	777	777	777	777	776	777	777	778	778	778	779	779	779	779	780	777	780
11	780	780	780	780	780	780	780	779	779	780	781	781	780	780	779	779	779	788	788	777	776	776	777	777	780	788
12	777	776	776	775	775	774	774	773	774	774	774	774	774	774	774	774	775	776	776	776	777	777	778	778	775	778
13	778	778	778	780	780	780	780	780	782	782	782	782	782	782	781	781	781	781	781	781	781	781	781	781	781	782
14	781	781	781	781	781	781	781	781	782	782	782	782	782	782	782	782	782	782	782	782	782	783	783	783	782	783
15	783	783	783	783	783	783	784	784	784	785	785	785	785	785	785	785	785	785	785	785	785	786	786	786	785	786
16	786	786	786	786	785	785	785	785	785	785	786	786	786	786	786	786	786	786	786	786	786	786	786	786	786	786
17	786	786	786	786	785	785	785	785	785	786	787	787	786	786	786	786	785	785	785	786	786	786	786	786	786	787
18	787	787	788	788	787	787	787	787	788	788	788	788	787	787	787	786	786	786	786	786	786	786	786	786	787	788
19	786	786	786	786	786	786	786	786	786	786	786	786	785	785	784	784	784	784	784	784	784	785	785	785	785	786
20	785	785	785	785	785	785	785	785	785	785	785	785	785	785	784	784	784	784	784	784	784	784	784	784	785	785
21	784	784	784	784	784	783	783	783	783	783	783	783	782	781	780	780	780	780	780	780	779	779	779	778	782	784
22	778	778	778	778	778	778	778	778	778	779	779	779	779	779	779	779	780	781	781	782	782	782	782	782	779	782
23	783	783	783	784	784	784	784	784	784	784	785	785	785	785	785	785	785	785	785	785	786	786	787	787	785	787
24	787	787	786	786	786	786	786	786	786	786	786	785	785	784	784	783	783	783	783	783	783	782	781	781	785	787
25	780	780	780	780	779	779	779	778	778	778	778	778	777	777	777	777	777	777	777	777	777	777	777	778	778	780
26	778	778	778	779	779	779	779	779	780	780	780	780	780	780	780	780	780	780	780	781	781	782	782	782	780	782
27	782	782	783	783	783	783	783	784	784	785	786	786	786	785	785	785	785	786	786	787	787	786	786	786	785	787
28	786	786	786	786	785	784	784	784	784	784	785	784	783	783	782	782	782	782	782	782	782	782	783	783	784	786
29	783	783	783	783	782	782	782	782	782	783	783	783	782	782	782	782	782	782	782	782	783	783	783	783	782	783
30	783	783	782	782	782	782	782	782	782	782	782	783	783	782	782	782	782	782	781	781	780	780	780	779	782	783
AV	784	784	784	784	784	783	783	783	784	784	784	784	784	783	783	783	783	783	783	783	783	783	783	783	783	
PK	791	791	791	791	791	791	792	792	792	792	792	792	791	790	790	790	790	790	790	790	790	790	790	791		792

(05/16/79-RPI)

PRECIPITATION
CM=100

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1																									( )	
2																									( )	
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10								(TR)	5										(TR)	3	5	5	13	20	51	20
11	5	5	3	13	13	33	23	5	3	3	(TR)	3	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	5	(TR)	25	30	13	183	33
12	3	10	8	20	13	3	3	(TR)	(TR)	3	(TR)	(TR)	5	3	(TR)	(TR)	3	3	3	20	3	(TR)	(TR)	(TR)	99	20
13	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3												(TR)	(TR)	5	3
14	3	(TR)	(TR)							8															10	8
15																									( )	
16												(TR)	(TR)												( )	
17												(TR)	(TR)												( )	
18									(TR)	(TR)															( )	
19									(TR)																( )	
20						(TR)	(TR)	(TR)	(TR)	3															3	3
21																									( )	
22																									( )	
23									(TR)	(TR)															( )	
24											(TR)														( )	
25					(TR)	15	23	3	30	(TR)	(TR)	(TR)	(TR)	3	(TR)	5	(TR)	(TR)	(TR)	(TR)	3	(TR)	3	10	94	30
26	8	5	5	5	(TR)	(TR)	(TR)	3	(TR)	(TR)	3														28	8
27		(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)													( )	
28																									( )	
29											3	3													5	3
30				(TR)	5																				5	5
TL	18	20	18	38	30	51	48	10	38	15	8	5	5	5	( )	5	5	3	3	28	10	30	46	43	483	
PK	8	10	8	20	13	33	23	5	30	8	3	3	5	3		5	3	3	3	20	5	25	30	20		33

(05/17/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1																									( )	
2																									( )	
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10																									( )	
11													(TR)	3	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	8	3
12	3	5	3	18	15	3	13	8	13	5	18	46	13	13	10	3	(TR)	(TR)	(TR)	3					188	46
13																									( )	
14																									( )	
15																									( )	
16																									( )	
17																									( )	
18																									( )	
19																(TR)	3	5	3	3	(TR)	(TR)			13	5
20											3	30	28	25	18	15	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	124	30
21												3													3	3
22																									( )	
23																									( )	
24																									( )	
25											10	23	36	(TR)	3	5									76	36
26											3	3	(TR)	3											3	3
27																							(TR)	(TR)	( )	
28	(TR)	3	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	3	(TR)	5	8	10	(TR)	(TR)	(TR)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	30	10
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
TL	3	8	3	18	15	5	13	8	13	8	33	109	84	53	30	25	5	5	3	5	( )	( )	( )	5	450	
PK	3	5	3	18	15	3	13	8	13	5	18	46	36	25	18	15	3	5	3	3				3		46

(05/17/79-RPI)

INVERSION HEIGHT
METERS

C8-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	510	550	500	490	500	440	410	410	330	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	210	300	330	360	390	450	480	409	550
2	450	400	470	350	350	490	480	330	240	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	210	370	490	300	340	340	330	371	490
3	400	440	410	460	480	490	540	820	870	380	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	250	230	260	370	330	340	428	870
4	340	390	370	380	380	340	380	370	280	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	170	330	400	420	440	410	330	345	440
5	430	500	460	480	510	510	440	390	410	170	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	120	240	320	280	270	290	280	359	510
6	340	370	390	360	330	430	410	340	290	180	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	240	280	330	330	340	340	324	430
7	410	420	420	430	430	460	450	400	350	210	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	240	330	340	350	330	330	356	460
8	420	430	480	490	470	480	500	490	390	270	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	190	230	240	250	250	260	280	346	500
9	420	360	310	320	340	400	390	340	160	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	170	150	160	150	140	180	254	420
10	190	220	400	660	720	710	650	510	430	520	610	710	760	740	760	730	680	660	630	670	610	560	(RF)	(RF)	599	760
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	340	270	320	350	290	( )	350
12	230	210	310	410	410	320	300	280	290	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	30	30	30	30	30	60	100	186	410
13	190	180	160	180	180	150	130	150	130	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	40	130	210	190	200	180	130	155	210
14	170	210	150	140	190	210	180	170	180	70	(NV)	(NV)	(NV)	(NV)	(NV)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	210
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
17	500	510	480	460	460	470	450	380	380	390	430	380	260	280	(NV)	(NV)	310	160	150	210	180	190	260	310	345	510
18	310	320	320	300	280	270	300	300	300	290	270	240	220	220	250	280	290	320	300	280	270	250	220	190	275	320
19	190	200	230	250	240	230	230	220	180	150	130	60	(NV)	(NV)	(NV)	(NV)	40	140	190	220	210	190	180	170	153	250
20	190	200	190	230	220	190	190	180	160	170	140	60	(NV)	(NV)	(NV)	(NV)	80	170	190	230	250	260	250	250	190	260
21	220	230	250	260	210	220	230	210	200	180	220	170	70	(NV)	(NV)	(NV)	(NV)	60	130	140	170	170	200	210	183	260
22	170	160	160	150	160	180	150	110	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	170	200	190	200	210	200	165	210
23	260	280	300	280	250	240	260	280	250	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	70	140	150	180	150	140	150	204	300
24	220	210	210	200	190	180	180	200	170	100	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	220
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
AV	311	323	332	347	348	353	345	328	300	212	( )	( )	( )	( )	( )	( )	( )	171	236	273	263	271	260	257	299	
PK	510	550	500	660	720	710	650	820	870	520	610	710	760	740	760	730	680	660	680	670	610	560	450	480		870

II B-409

(05/16/79-RPI)

STABILITY CLASS @ 50%
0=STB 1=UNST

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PPEV
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	0
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	( )
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
PV	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0

(05/16/79-RPI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	0
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	( )
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1
14	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
20	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	1	1	1	0	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
PV	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0

II B-411

(05/16/79-RPI)

STABILITY CLASS @ 50M
0=STB 1=UNST

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	0
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	( )
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
PV	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0

(05/16/79-RPI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CB-TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	0
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	( )
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1
14	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
16	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
19	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
20	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	1	1	1	0	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
28	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
29	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
PV	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	)

II B-411

(05/16/79-RPI)

C-B PIBAL SOUNDING

SOUNDING DATE 11- 2-78

BALLOON RELEASED 645 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	276.0	33.0	38.6	2.7	5.0
1.0	302.0	40.7	35.3	5.8	6.9
1.5	322.4	30.4	28.3	7.9	8.8
2.0	332.2	25.6	22.4	9.6	9.5
2.5	337.7	22.7	17.8	11.0	8.9
3.0	341.5	21.5	15.7	11.7	8.3
3.5	346.3	20.0	14.4	12.1	7.7
4.0	349.6	19.3	13.6	12.4	7.2
4.5	352.4	18.7	13.3	12.6	6.6
5.0	354.6	18.4	13.0	13.0	6.0
5.5	356.5	17.9	13.2	13.1	5.4
6.0	358.2	17.4	13.0	13.3	4.9
6.5	359.5	17.0	12.9	13.4	4.3
7.0	0.7	16.8	12.8	13.5	3.7
7.5	1.5	16.6	12.7	13.6	3.2
8.0	2.3	16.4	12.6	13.8	2.6
8.5	3.1	16.0	12.6	13.8	2.0
9.0	3.5	16.0	12.7	13.9	1.4
9.5	4.0	16.2	12.7	14.0	0.8
10.0	4.4	16.1	12.5	14.0	0.2
10.5	4.7	15.9	12.3	14.1	-0.3
11.0	5.0	15.8	12.2	14.1	-1.0
11.5	5.2	15.6	12.1	14.0	-1.6
12.0	5.4	15.7	12.0	13.8	-2.2

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	21.6	4.4
2	22.7	4.8
3	25.8	5.9
4	23.0	7.3
5	14.6	9.0
6	34.8	10.3
7	70.3	12.1
8	73.8	13.8
9	86.0	15.4
10	112.2	17.2
11	151.3	18.5
12	195.2	20.6
13	228.2	22.5
14	229.4	24.6
15	250.4	26.4

16	304.2	28.5
17	362.1	30.7
18	381.4	31.5
19	328.5	33.1
20	310.3	35.4
21	370.8	37.8
22	372.4	39.8
23	376.0	41.4
24	220.4	42.9

HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
240.	123.	9.8	5.0
504.	158.	17.6	6.9
744.	163.	27.6	8.8
1018.	168.	32.0	9.5
1312.	173.	29.9	8.9
1538.	181.	30.3	8.3
1791.	185.	33.4	7.7
2047.	188.	31.5	7.2
2283.	189.	32.1	6.6
2574.	192.	29.6	6.0
2755.	192.	32.5	5.4
3052.	190.	37.1	4.9
3310.	191.	37.1	4.3
3619.	191.	36.2	3.7
3878.	190.	36.7	3.2
4205.	191.	40.3	2.6
4472.	193.	28.1	2.0
4613.	194.	22.3	1.4
4895.	190.	35.9	0.8
5227.	189.	43.6	0.2
5567.	189.	40.6	-0.3
5845.	189.	33.9	-1.0
6029.	189.	28.7	-1.6

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
73.	123.	3.0	5.0
153.	158.	5.4	6.9
227.	163.	8.4	8.8
310.	168.	9.8	9.5
400.	173.	9.1	8.9
469.	181.	9.2	8.3
546.	185.	10.2	7.7
624.	188.	9.6	7.2
696.	189.	9.8	6.6
785.	192.	9.0	6.0
840.	192.	9.9	5.4
930.	190.	11.3	4.9
1009.	191.	11.3	4.3
1103.	191.	11.0	3.7
1182.	190.	11.2	3.2
1282.	191.	12.3	2.6
1363.	193.	8.6	2.0
1406.	194.	6.8	1.4
1492.	190.	10.9	0.8
1593.	189.	13.3	0.2
1697.	189.	12.4	-0.3
1782.	189.	10.3	-1.0
1838.	189.	8.7	-1.6

C-B PIBAL SOUNDING

TIME 645 DATE 11/2/78

WIND SPEED

TEMPERATURE

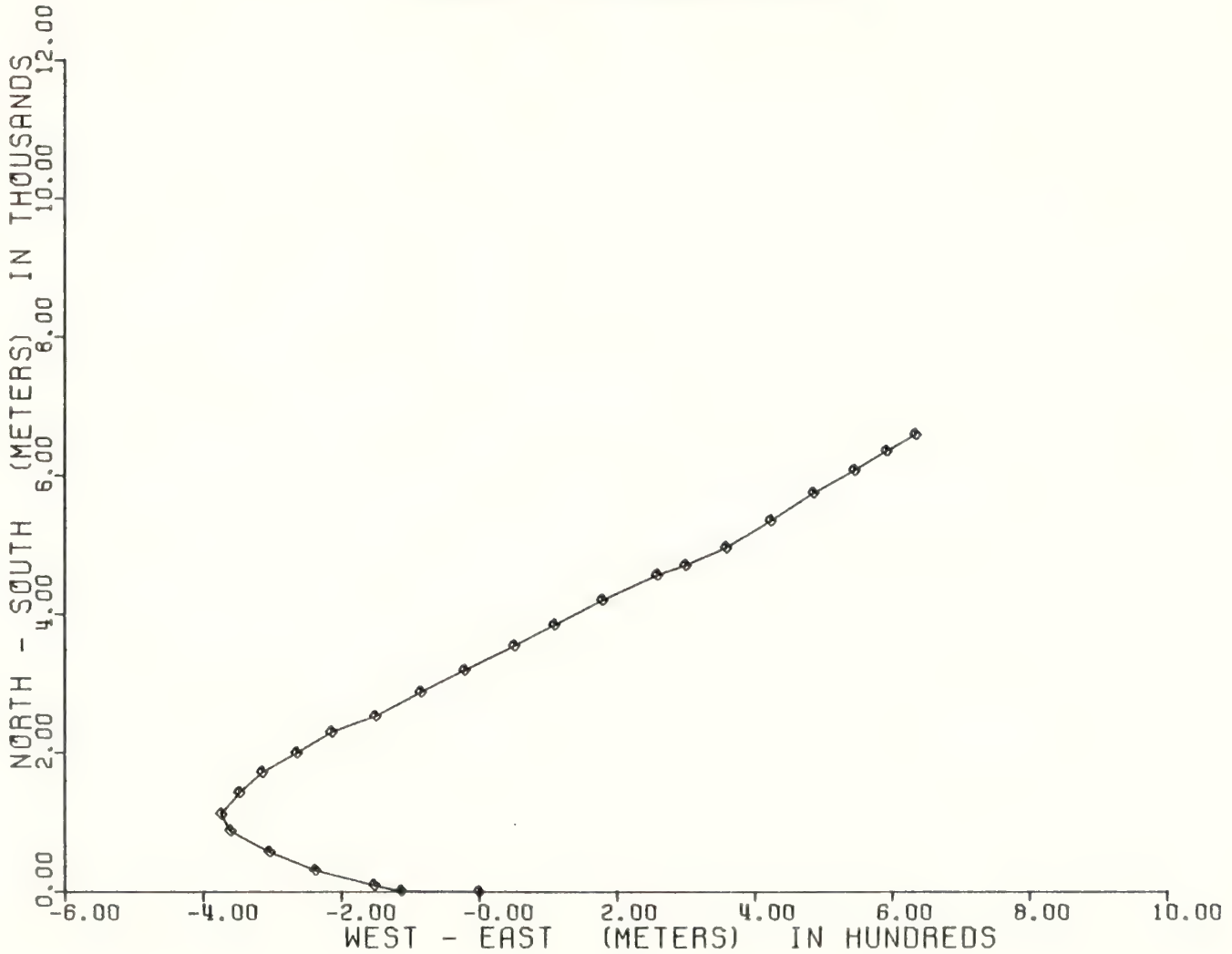
WIND DIRECTION

C-B PIBAL SOUNDING

TIME 645 DATE 11/2/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 11- 2-78

BALLOON RELEASED 1330 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	300.1	46.6	38.9	4.2	23.2
1.0	298.1	42.5	33.6	8.1	21.2
1.5	297.1	38.6	28.8	11.3	19.2
2.0	315.3	37.2	24.6	13.0	18.8
2.5	318.2	36.8	22.9	14.2	18.4
3.0	323.0	34.6	20.1	15.1	18.0
3.5	324.3	28.3	16.6	13.5	17.5
4.0	324.5	24.7	13.4	13.2	17.1
4.5	326.5	22.6	10.2	13.0	16.7
5.0	329.0	21.5	8.9	13.1	16.3
5.5	328.1	22.0	6.9	13.8	15.8
6.0	327.3	21.6	4.4	14.4	15.2
6.5	327.6	21.3	2.2	14.9	14.7
7.0	329.6	21.0	1.9	15.0	14.1
7.5	331.9	23.2	1.9	15.8	13.6
8.0	334.7	25.5	2.0	18.5	13.1
8.5	335.0	28.9	2.0	21.2	11.7
9.0	336.0	29.9	0.2	22.2	10.4

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	23.0	4.6
2	7.9	5.0
3	19.4	5.4
4	4.7	6.3
5	10.0	6.7
6	17.9	7.4
7	6.0	8.0
8	40.3	8.6
9	17.5	9.6
10	43.0	10.3
11	17.2	10.8
12	36.4	11.6
13	44.5	12.5
14	60.0	13.3
15	97.5	14.1
16	7.3	15.5
17	5.4	16.0
18	119.1	17.9

HEIGHT DIRECTION SPEED TEMP

FEET	DEGREES	FT/SEC	DEG C
342.	119.	12.4	23.2
678.	116.	13.8	21.2
922.	150.	14.9	19.2
1195.	169.	13.8	18.8
1340.	162.	11.0	18.4
1517.	157.	15.0	18.0
1432.	149.	15.5	17.5
1448.	152.	17.9	17.1
1556.	163.	18.0	16.7
1656.	157.	12.6	16.3
1813.	139.	13.0	15.8
1966.	146.	17.0	15.2
2159.	162.	16.2	14.7
2281.	180.	13.9	14.1
2615.	183.	18.2	13.6
3250.	181.	12.7	13.1
3798.	165.	16.6	11.7

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
104.	119.	3.8	23.2
207.	116.	4.2	21.2
281.	150.	4.5	19.2
364.	169.	4.2	18.8
409.	162.	3.4	18.4
462.	157.	4.6	18.0
436.	149.	4.7	17.5
441.	152.	5.5	17.1
474.	163.	5.5	16.7
505.	157.	3.8	16.3
553.	139.	4.0	15.8
599.	146.	5.2	15.2
658.	162.	4.9	14.7
695.	180.	4.2	14.1
797.	183.	5.5	13.6
991.	181.	3.9	13.1
1158.	165.	5.1	11.7

C-B PIBAL SOUNDING

TIME 1330 DATE 11/2/78

WIND SPEED

TEMPERATURE

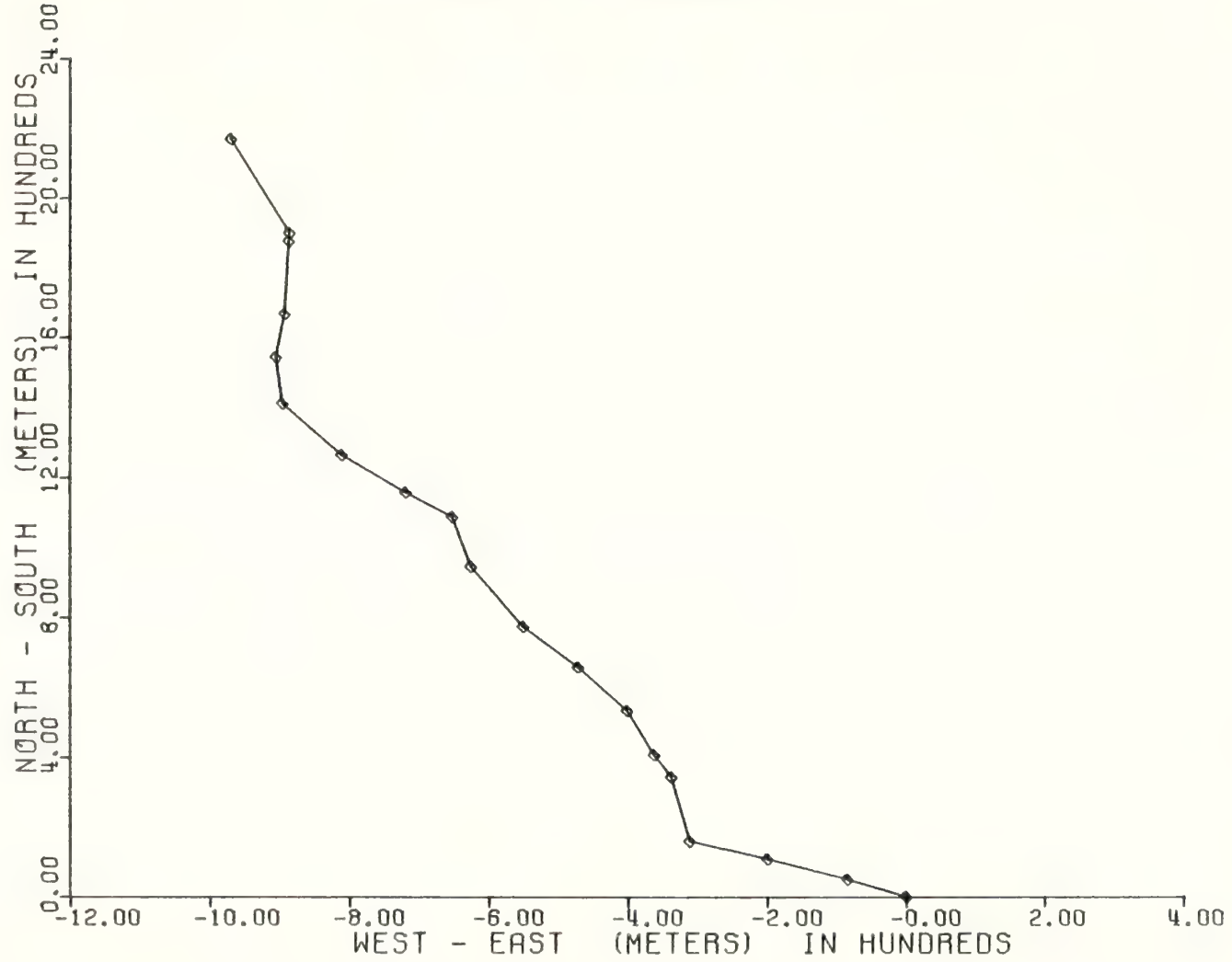
WIND DIRECTION

C-B PIBAL SOUNDING

TIME 1330 DATE 11/2/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 11- 3-78

BALLOON RELEASED 650 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	75.0	65.0	42.9	3.4	0.0
1.0	103.0	60.0	45.7	6.0	0.2
1.5	122.4	53.8	48.9	8.6	0.4
2.0	137.3	49.6	52.6	11.5	0.6
2.5	145.7	44.0	57.3	13.8	0.8
3.0	151.1	37.2	64.7	16.4	1.0
3.5	156.2	32.3	75.4	19.8	0.7
4.0	160.5	29.6	85.8	22.9	0.4
4.5	162.9	27.9	93.6	25.0	0.1
5.0	167.1	27.3	102.9	27.9	-0.2
5.5	174.7	26.8	116.8	31.2	-0.5
6.0	181.6	23.8	135.8	32.9	0.9
6.5	187.1	21.7	154.2	30.9	1.8
7.0	189.5	20.8	161.8	29.6	1.7
7.5	192.9	19.8	170.1	27.7	1.3
8.0	194.2	18.8	176.7	26.0	0.8
8.5	196.7	17.9	183.4	23.9	0.3
9.0	198.7	17.3	187.6	22.1	0.0
9.5	200.0	16.5	191.1	20.5	-0.5
10.0	200.8	15.8	193.1	19.4	-0.9
10.5	201.9	15.4	195.4	18.2	-1.4
11.0	202.6	14.9	196.8	17.3	-1.9
11.5	203.1	14.2	197.8	16.7	-2.3
12.0	203.9	13.5	199.1	16.1	-2.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	39.6	4.6
2	9.8	4.9
3	5.3	5.2
4	5.2	5.4
5	20.1	5.7
6	23.3	6.1
7	48.5	6.8
8	63.2	7.6
9	36.4	8.2
10	52.0	8.9
11	172.8	9.7
12	87.5	11.0
13	165.9	13.1
14	184.7	14.3
15	266.9	15.6

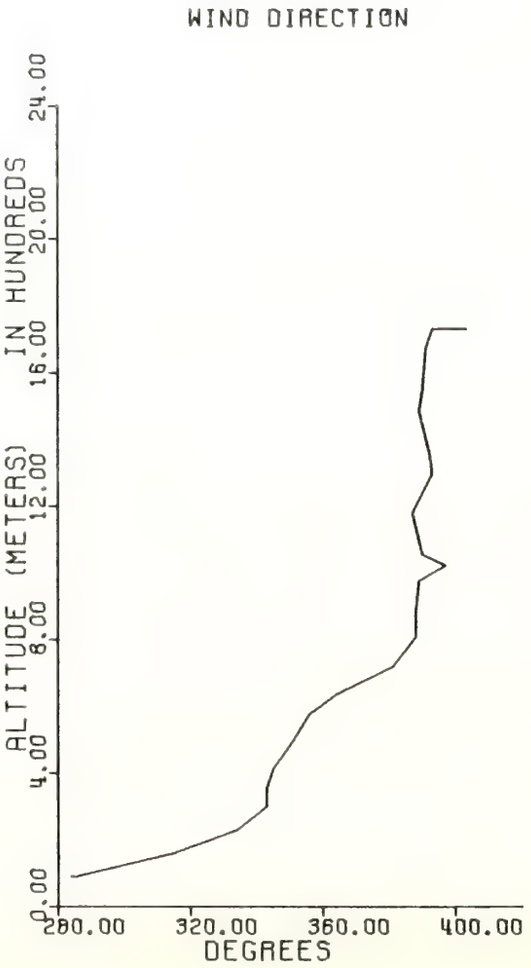
16	165.9	18.3
17	183.3	21.4
18	299.0	23.7
19	292.3	27.3
20	260.1	29.8
21	355.9	33.6
22	386.0	36.2
23	266.9	37.6
24	152.2	38.7

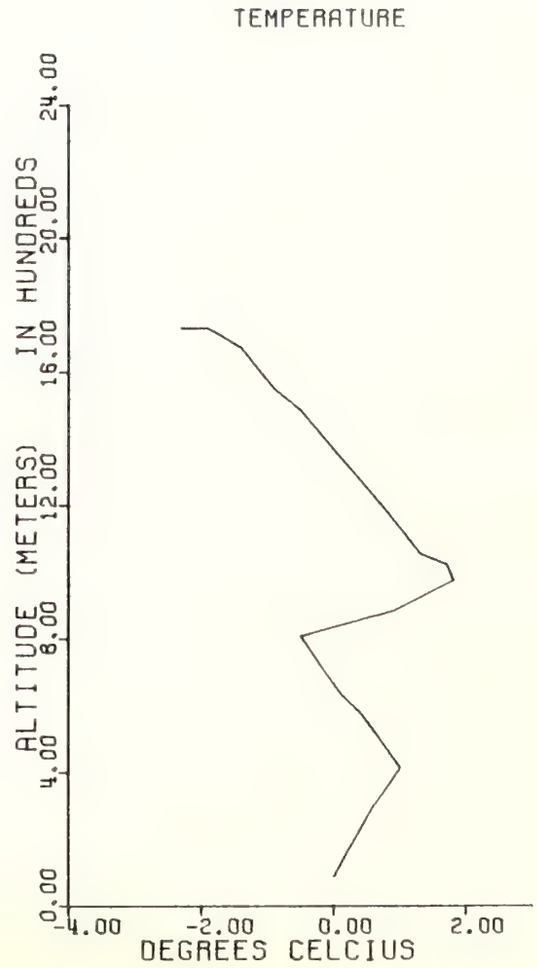
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
291.	284.	5.2	0.0
534.	315.	7.9	0.2
757.	334.	10.2	0.4
989.	343.	12.3	0.6
1169.	343.	16.8	0.8
1364.	345.	24.2	1.0
1640.	351.	27.4	0.7
1902.	356.	23.6	0.4
2094.	4.	21.9	0.1
2364.	21.	29.1	-0.2
2659.	28.	41.7	-0.5
2909.	28.	53.2	0.9
3207.	29.	44.2	1.8
3365.	37.	33.0	1.7
3469.	30.	44.6	1.3
3883.	27.	59.1	0.8
4267.	33.	56.7	0.3
4487.	32.	59.6	0.0
4878.	29.	59.8	-0.5
5088.	30.	61.5	-0.9
5495.	31.	62.1	-1.4
5686.	33.	40.5	-1.9
5685.	43.	27.7	-2.3

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
89.	284.	1.6	0.0
163.	315.	2.4	0.2
231.	334.	3.1	0.4
301.	343.	3.7	0.6
356.	343.	5.1	0.8
416.	345.	7.4	1.0
500.	351.	8.4	0.7
580.	356.	7.2	0.4
638.	4.	6.7	0.1
721.	21.	8.9	-0.2
811.	28.	12.7	-0.5
887.	28.	16.2	0.9
977.	29.	13.5	1.8
1026.	37.	10.1	1.7
1057.	30.	13.6	1.3
1184.	27.	18.0	0.8
1300.	33.	17.3	0.3
1368.	32.	18.2	0.0
1487.	29.	18.2	-0.5
1551.	30.	18.7	-0.9
1675.	31.	18.9	-1.4
1733.	33.	12.3	-1.9
1733.	43.	8.4	-2.3

C-B PIBAL SOUNDING

TIME 650 DATE 11/3/78



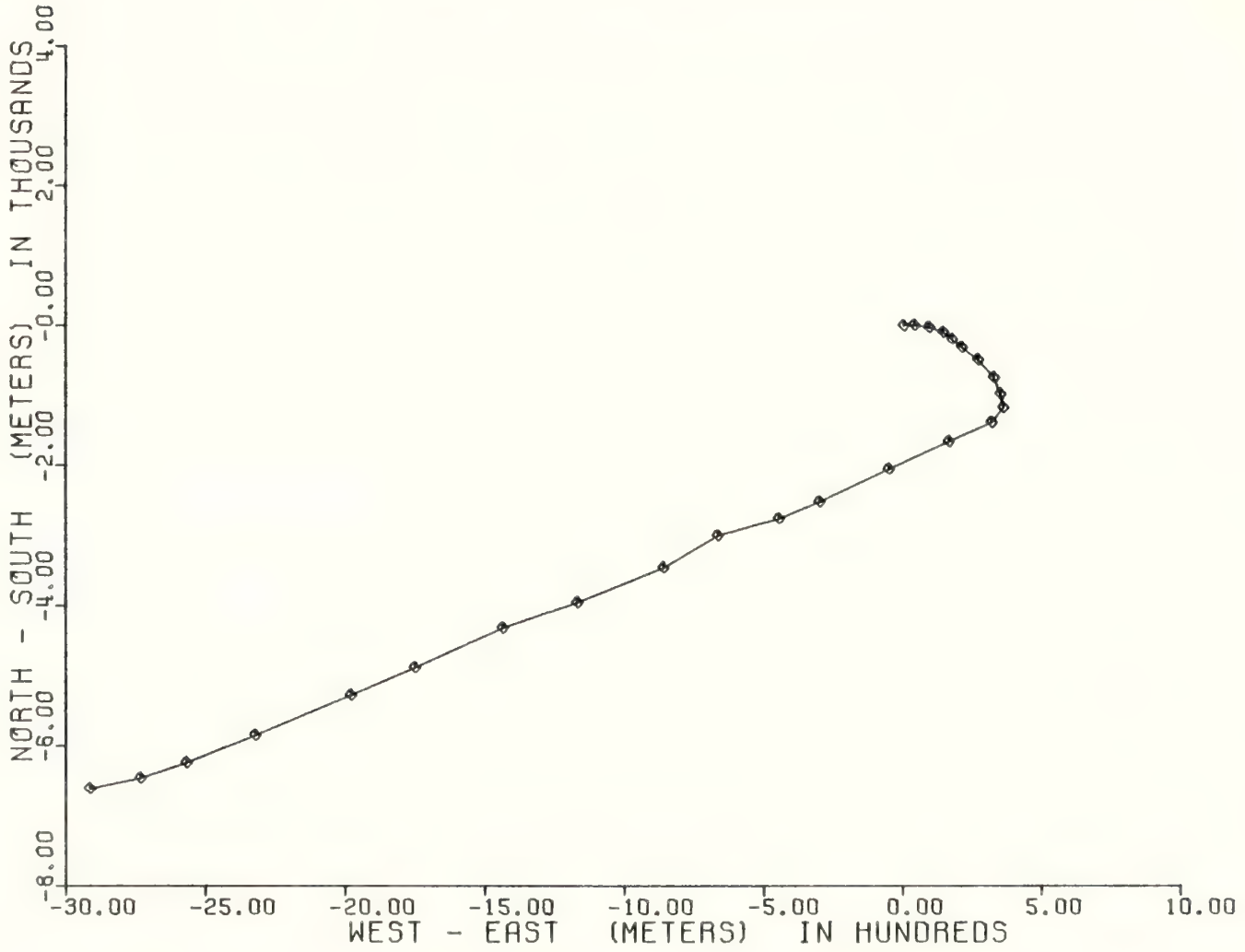


C-B PIBAL SOUNDING

TIME 650 DATE 11/3/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 11- 3-78

BALLOON RELEASED 1315 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	102.0	43.0	45.4	2.0	19.6
1.0	115.9	33.3	48.1	4.1	19.0
1.5	123.3	31.8	53.1	7.0	18.5
2.0	127.7	30.7	62.8	11.5	17.6
2.5	129.7	29.9	68.6	13.6	16.7
3.0	131.1	28.5	73.4	15.6	15.9
3.5	132.6	28.9	79.8	17.7	15.0
4.0	134.6	27.4	84.9	19.1	14.1
4.5	137.6	27.8	90.0	20.5	13.2
5.0	139.8	25.9	95.3	21.1	12.7
5.5	142.6	25.6	101.2	22.3	12.2
6.0	146.1	24.9	107.5	23.1	11.8
6.5	149.0	23.8	113.1	23.0	10.6
7.0	151.8	23.6	118.0	23.7	9.7
7.5	155.6	22.9	123.9	23.7	9.2
8.0	160.7	21.8	131.7	23.8	8.8
8.5	166.3	20.8	140.4	23.4	9.9
9.0	170.8	19.8	147.5	23.1	11.0
9.5	174.5	19.4	154.7	22.6	10.3
10.0	177.8	18.8	160.0	22.3	9.6
10.5	181.8	18.5	166.4	21.8	9.0
11.0	183.8	18.4	170.4	21.5	8.4
11.5	186.3	18.9	174.3	21.1	7.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	60.9	4.6
2	26.3	4.9
3	37.7	5.4
4	8.0	6.6
5	47.0	7.3
6	8.5	8.1
7	74.2	9.1
8	12.3	10.0
9	86.8	10.7
10	17.7	11.7
11	29.5	12.7
12	35.3	13.8
13	59.9	14.8
14	60.8	15.7
15	108.6	16.6
16	94.5	17.7
17	140.8	18.9

17	160.8	18.9
18	137.7	20.0
19	210.2	22.3
20	186.5	23.5
21	272.1	25.3
22	299.0	27.8
23	574.8	29.6

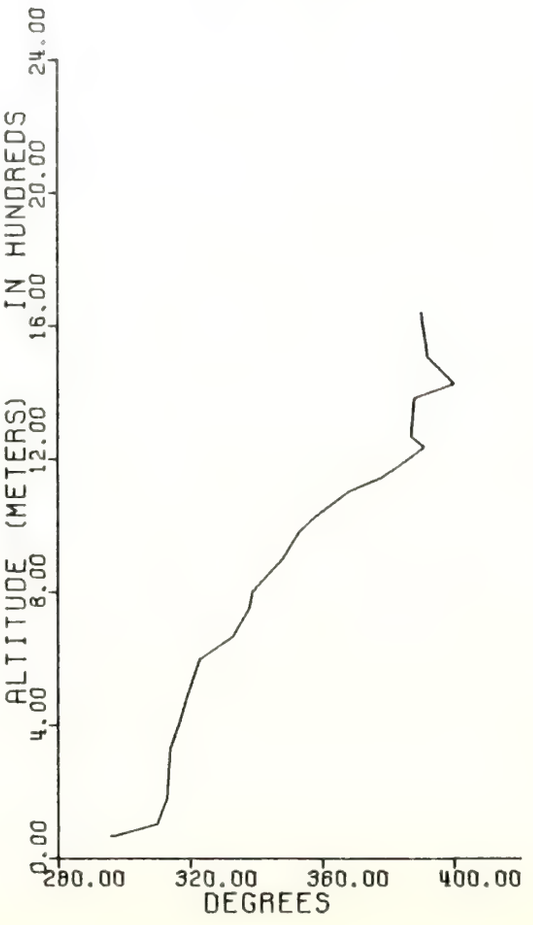
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
219.	296.	8.7	19.6
345.	310.	12.3	19.0
601.	313.	22.2	18.5
1088.	314.	24.2	17.6
1361.	317.	18.2	16.7
1590.	319.	20.7	15.9
1972.	323.	22.3	15.0
2194.	333.	20.0	14.1
2475.	338.	21.5	13.2
2641.	339.	25.1	12.7
2957.	348.	27.7	12.2
3219.	353.	28.4	11.8
3375.	358.	26.3	10.6
3619.	8.	27.2	9.7
3760.	18.	35.1	9.2
3915.	25.	44.0	8.8
4062.	31.	44.3	9.9
4164.	27.	47.9	11.0
4542.	28.	46.1	10.3
4683.	40.	44.9	9.6
4947.	32.	50.8	9.0
5377.	30.	46.9	8.4

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
67.	296.	2.7	19.6
105.	310.	3.7	19.0
183.	313.	6.8	18.5
332.	314.	7.4	17.6
415.	317.	5.5	16.7
485.	319.	6.3	15.9
601.	323.	6.8	15.0
669.	333.	6.1	14.1
754.	338.	6.6	13.2
805.	339.	7.7	12.7
901.	348.	8.4	12.2
981.	353.	8.7	11.8
1029.	358.	8.0	10.6
1103.	8.	8.3	9.7
1146.	18.	10.7	9.2
1193.	25.	13.4	8.8
1238.	31.	13.5	9.9
1269.	27.	14.6	11.0
1384.	28.	14.1	10.3
1427.	40.	13.7	9.6
1508.	32.	15.5	9.0
1639.	30.	14.3	8.4

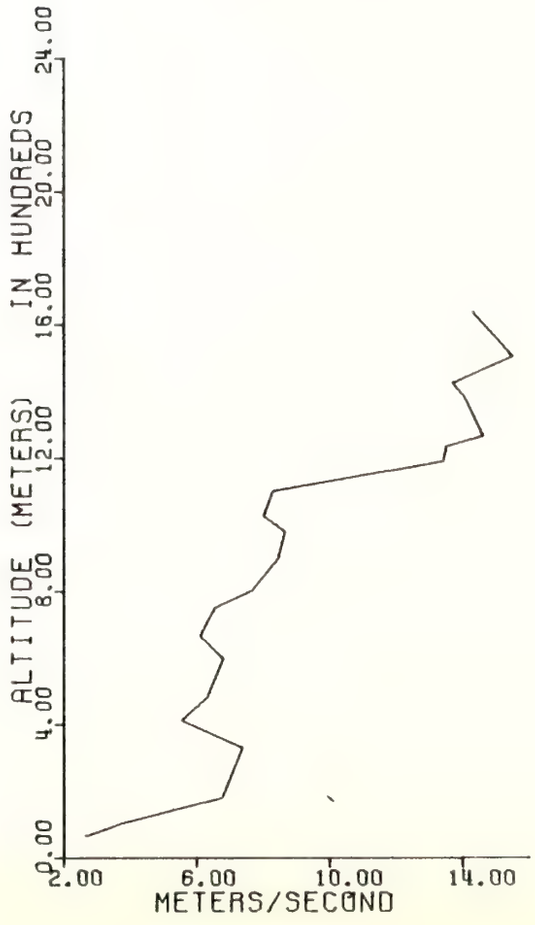
C-B PIBAL SOUNDING

TIME 1315 DATE 11/3/78

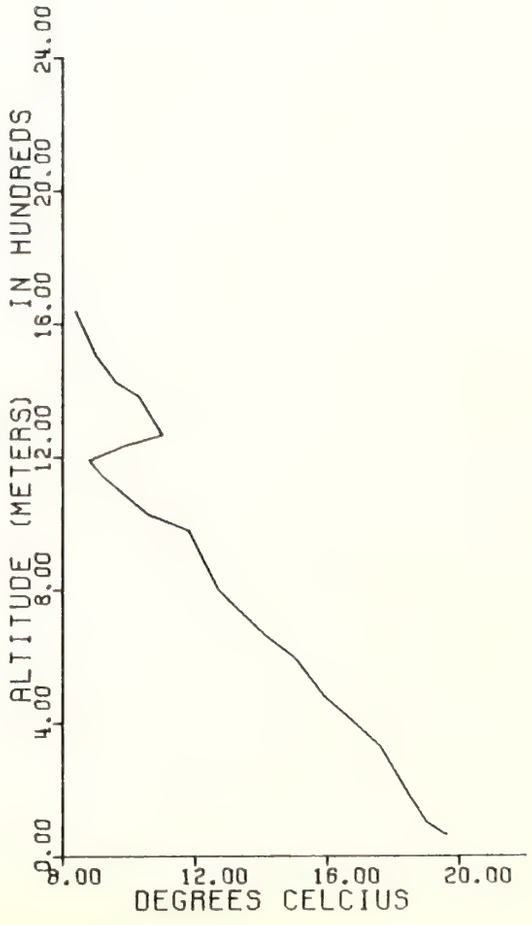
WIND DIRECTION

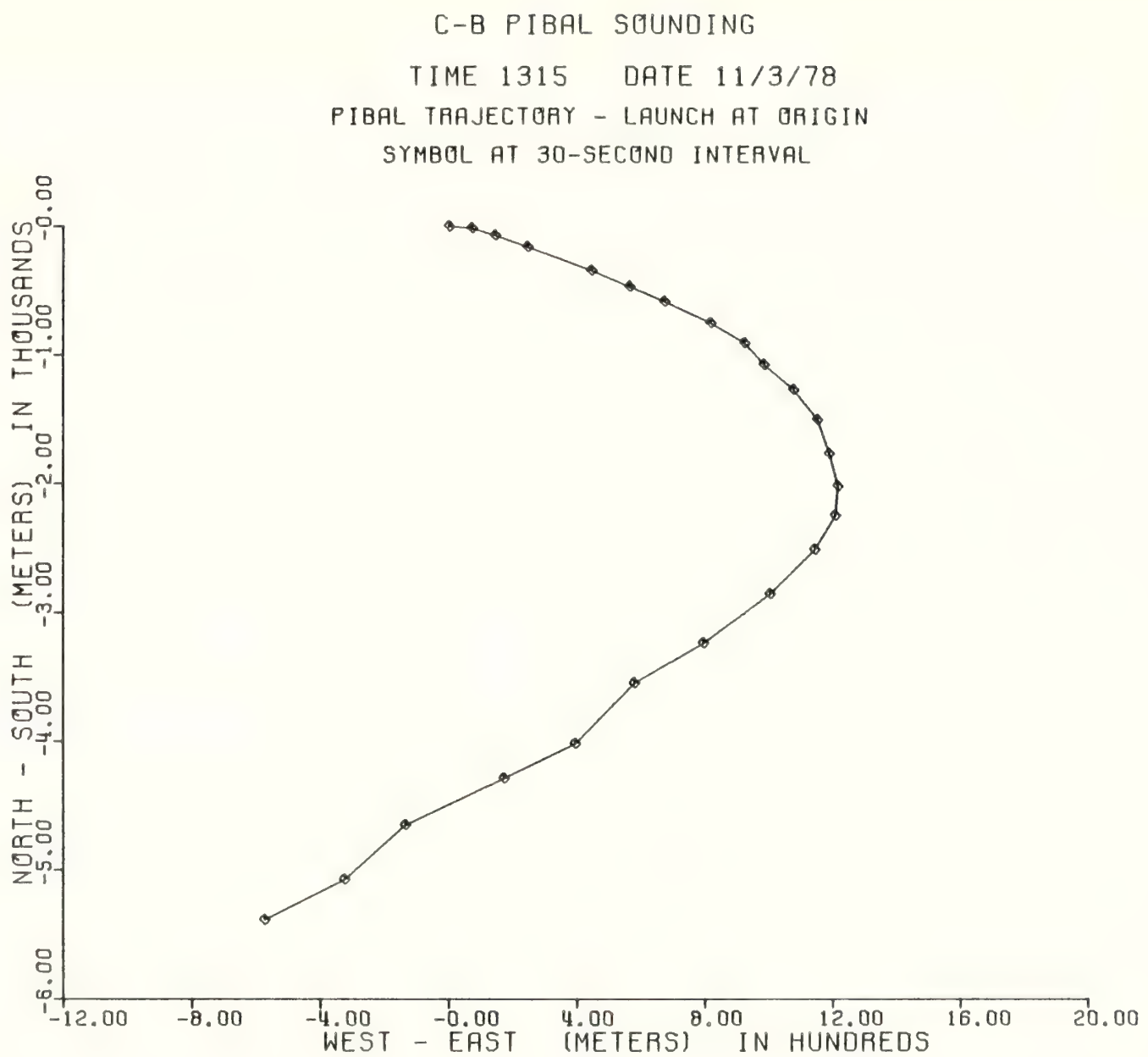


WIND SPEED



TEMPERATURE




C-B PIBAL SOUNDING
TIME 1315 DATE 11/3/78
PIBAL TRAJECTORY - LAUNCH AT ORIGIN
SYMBOL AT 30-SECOND INTERVAL
NORTH - SOUTH (METERS) IN THOUSANDS
-0.00
-1.00
-2.00
-3.00
-4.00
-5.00
-6.00
-12.00
-8.00
-4.00
-0.00
4.00
8.00
12.00
16.00
20.00
WEST - EAST (METERS) IN HUNDREDS

C-B PIBAL SOUNDING

SOUNDING DATE 11- 6-78

BALLOON RELEASED 645 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	280.0	25.6	38.3	2.0	-6.5
1.0	286.0	33.0	36.1	4.8	-3.3
1.5	292.0	45.0	35.4	7.1	-2.4
2.0	297.5	47.5	33.8	9.4	-2.5
2.5	305.3	50.1	33.0	11.0	-2.5
3.0	299.7	54.1	32.0	14.3	-2.6
3.5	285.3	55.2	31.6	16.9	-2.7
4.0	271.3	55.1	31.3	20.2	-2.7
4.5	260.6	55.5	31.6	24.3	-2.9
5.0	247.5	54.7	33.2	28.9	-3.2
5.5	233.4	52.8	37.4	35.8	-3.6
6.0	218.9	48.3	45.9	42.2	-4.0
6.5	208.4	45.5	59.6	48.3	-4.4
7.0	190.6	43.0	77.0	52.7	-4.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	19.8	4.4
2	17.9	4.6
3	18.0	4.8
4	11.2	5.1
5	8.8	5.3
6	4.2	5.5
7	0.6	5.5
8	0.4	5.5
9	11.7	5.6
10	14.6	5.7
11	46.5	5.8
12	22.3	6.0
13	56.3	6.4
14	382.0	7.4

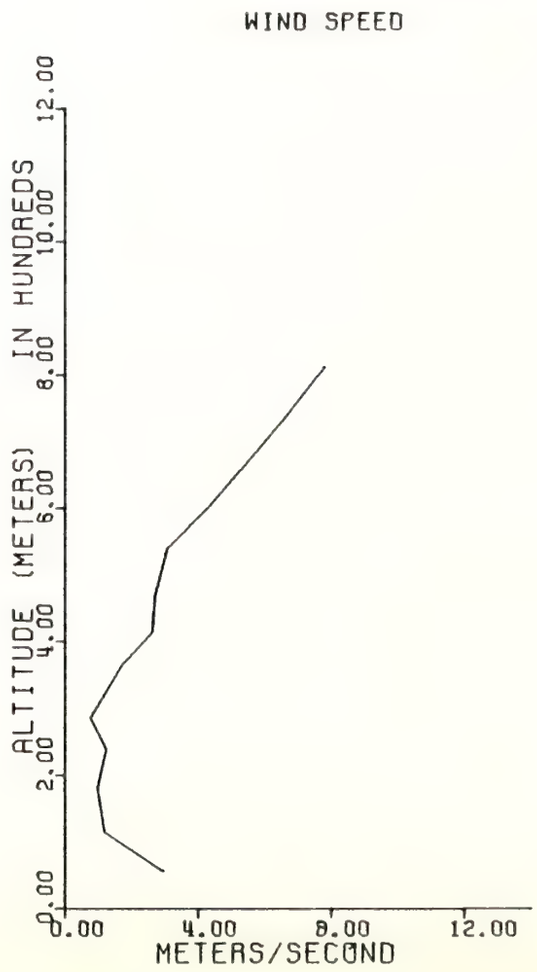
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
185.	106.	9.7	-6.5
379.	133.	3.9	-3.3
595.	155.	3.2	-2.4
787.	160.	4.1	-2.5
940.	131.	2.5	-2.5

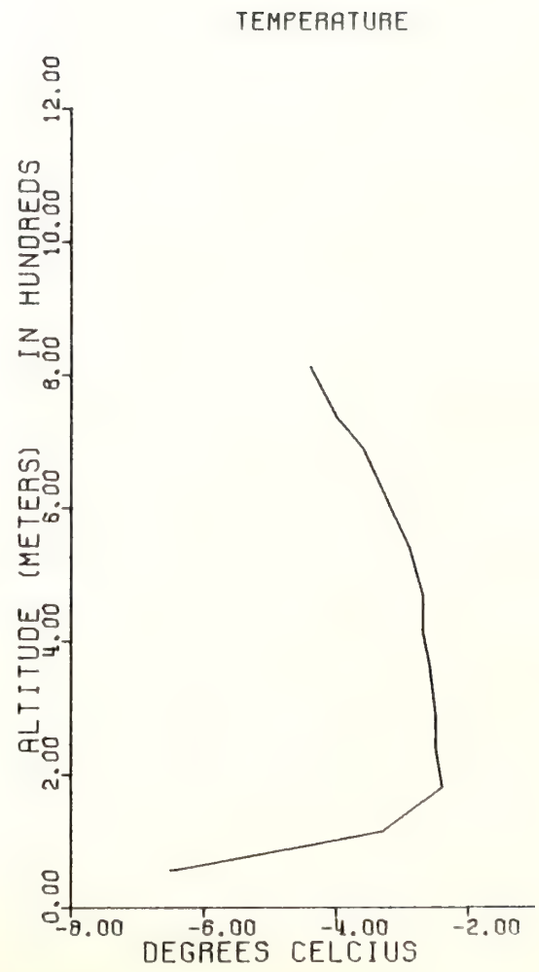
1205.	52.	5.7	-2.6
1361.	37.	8.6	-2.7
1544.	32.	8.9	-2.7
1773.	20.	10.1	-2.9
1982.	11.	14.2	-3.2
2263.	2.	19.1	-3.6
2419.	355.	21.7	-4.0
2665.	337.	25.5	-4.4

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
56.	106.	3.0	-6.5
116.	133.	1.2	-3.3
181.	155.	1.0	-2.4
240.	160.	1.2	-2.5
286.	131.	0.8	-2.5
367.	52.	1.7	-2.6
415.	37.	2.6	-2.7
471.	32.	2.7	-2.7
541.	20.	3.1	-2.9
604.	11.	4.3	-3.2
690.	2.	5.8	-3.6
737.	355.	6.6	-4.0
812.	337.	7.8	-4.4

C-B PIBAL SOUNDING

TIME 645 DATE 11/6/78



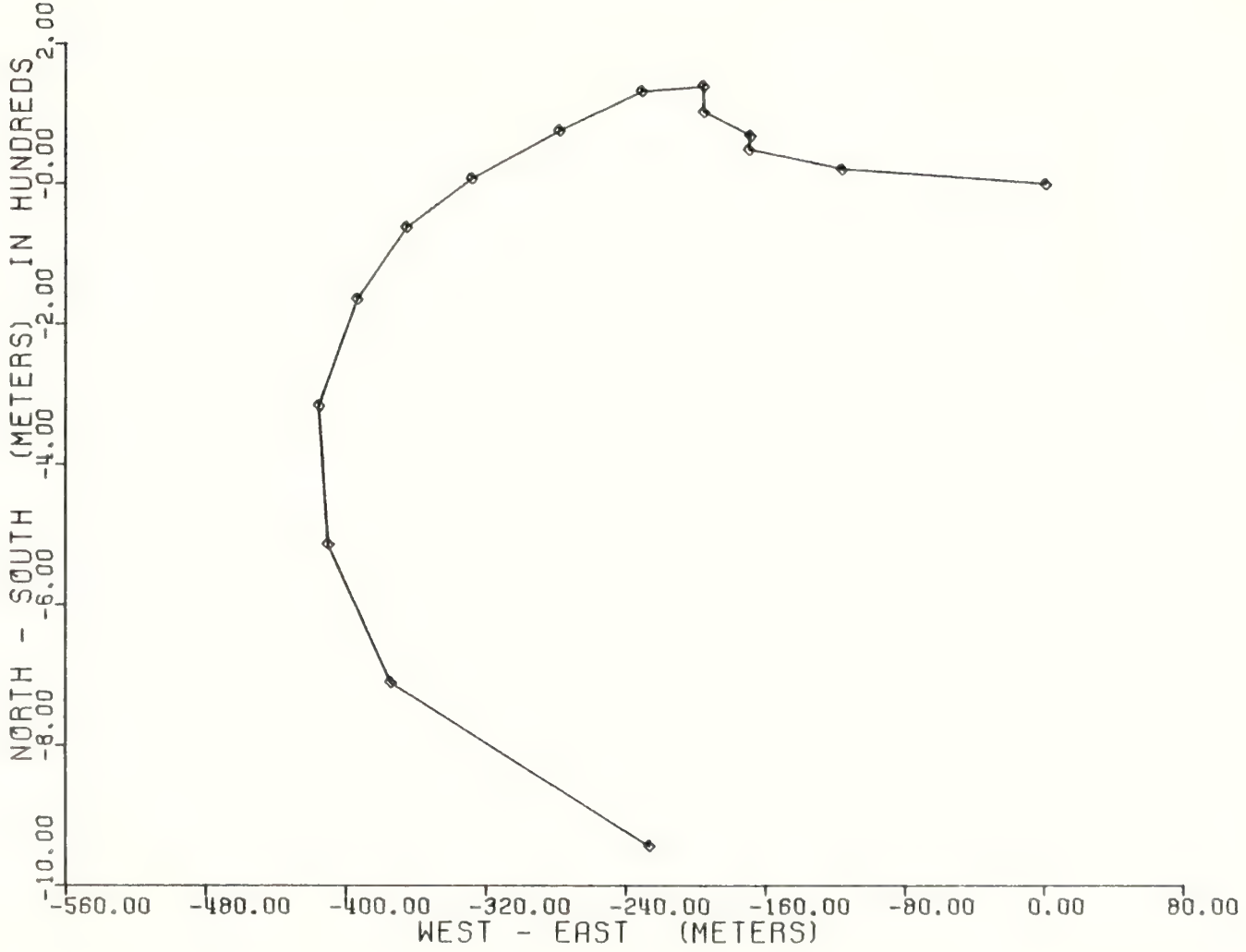


C-B PIBAL SOUNDING

TIME 645 DATE 11/6/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

SOUNDING DATE 11- 6-78

BALLOON RELEASED 1315 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	122.6	61.2	43.8	2.7	11.5
1.0	101.9	51.5	46.4	6.1	10.0
1.5	94.5	50.0	48.6	9.5	8.5
2.0	92.7	46.2	50.9	12.1	7.0
2.5	94.0	46.7	53.0	14.5	6.2
3.0	93.0	48.2	54.6	17.4	5.4
3.5	88.8	46.5	55.5	18.6	4.6
4.0	83.3	42.6	55.9	18.7	3.8
4.5	80.2	40.0	56.4	18.7	3.1
5.0	76.6	38.6	56.5	19.2	2.5
5.5	77.6	38.0	57.3	19.9	1.9
6.0	77.9	37.6	58.1	20.4	1.4
6.5	78.4	36.7	59.2	20.8	0.8
7.0	78.9	36.0	60.1	21.2	0.2
7.5	80.8	35.7	61.9	21.7	0.0
8.0	82.7	35.3	63.6	22.2	0.0
8.5	87.0	34.5	67.0	22.6	0.0
9.0	89.6	33.0	69.2	22.7	0.0
9.5	91.1	31.7	71.3	22.7	-0.1
10.0	92.0	30.7	73.2	22.6	-0.1
10.5	92.3	29.6	74.6	22.3	-0.1
11.0	91.6	28.6	75.3	22.0	-0.1
11.5	90.5	27.6	75.7	21.6	-0.2
12.0	89.7	26.8	76.0	21.3	-1.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	15.9	4.4
2	25.9	5.0
3	23.8	5.7
4	58.1	6.4
5	44.1	7.0
6	37.1	7.7
7	35.7	8.4
8	53.9	9.3
9	43.0	10.1
10	21.6	11.1
11	76.4	11.6
12	77.1	12.2
13	83.6	12.9
14	106.2	13.6
15	83.6	14.3

16	91.0	14.9
17	74.1	15.7
18	159.9	16.4
19	187.7	17.6
20	166.3	18.9
21	152.9	20.2
22	147.9	21.8
23	130.8	23.7
24	129.6	25.3

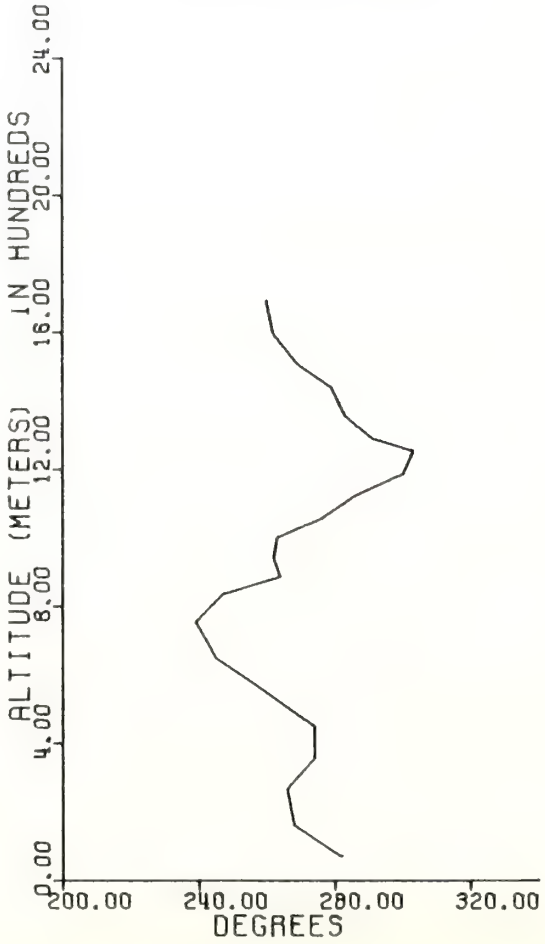
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
228.	282.	7.0	11.5
533.	268.	10.5	10.0
882.	266.	11.7	8.5
1178.	274.	10.7	7.0
1479.	274.	9.1	6.2
1873.	257.	10.8	5.4
2135.	245.	15.1	4.6
2320.	242.	16.5	3.8
2478.	239.	16.4	3.1
2744.	247.	12.9	2.5
2912.	264.	9.2	1.9
3087.	262.	11.3	1.4
3289.	263.	12.6	0.8
3473.	276.	12.5	0.2
3691.	286.	13.4	0.0
3899.	300.	17.4	0.0
4118.	303.	19.9	0.0
4239.	291.	20.4	0.0
4460.	283.	24.1	-0.1
4728.	279.	25.5	-0.1
4959.	269.	27.6	-0.1
5241.	262.	32.0	-0.1
5553.	260.	32.6	-0.2

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
70.	282.	2.1	11.5
162.	268.	3.2	10.0
269.	266.	3.6	8.5
359.	274.	3.3	7.0
451.	274.	2.8	6.2
571.	257.	3.3	5.4
651.	245.	4.6	4.6
707.	242.	5.0	3.8
755.	239.	5.0	3.1
836.	247.	3.9	2.5
888.	264.	2.8	1.9
941.	262.	3.4	1.4
1002.	263.	3.8	0.8
1059.	276.	3.8	0.2
1125.	286.	4.1	0.0
1189.	300.	5.3	0.0
1255.	303.	6.1	0.0
1292.	291.	6.2	0.0
1359.	283.	7.3	-0.1
1441.	279.	7.8	-0.1
1512.	269.	8.4	-0.1
1597.	262.	9.8	-0.1
1692.	260.	9.9	-0.2

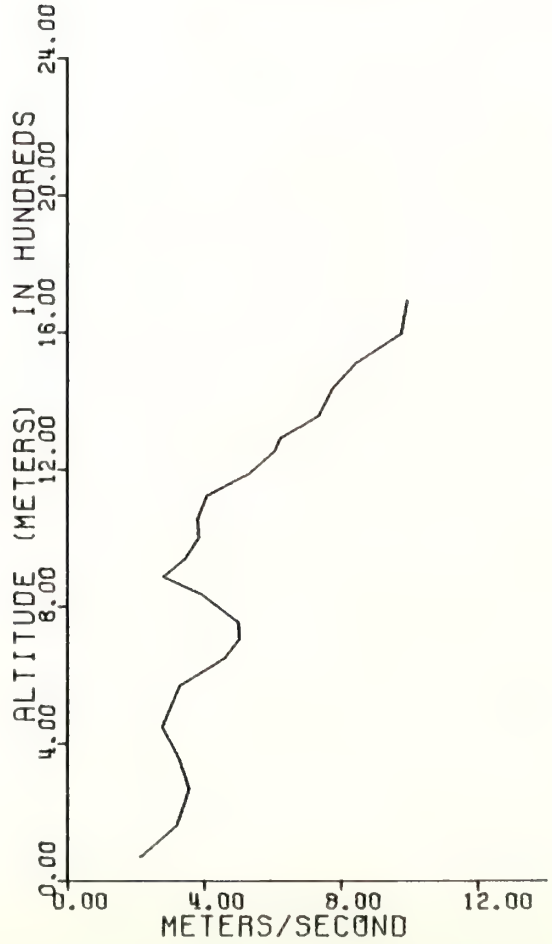
C-B PIBAL SOUNDING

TIME 1315 DATE 11/6/78

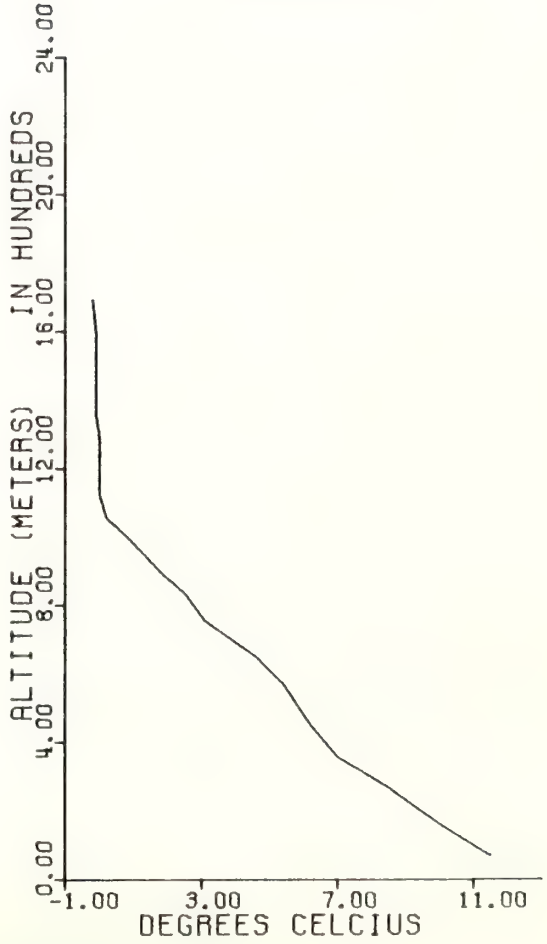
WIND DIRECTION



WIND SPEED



TEMPERATURE

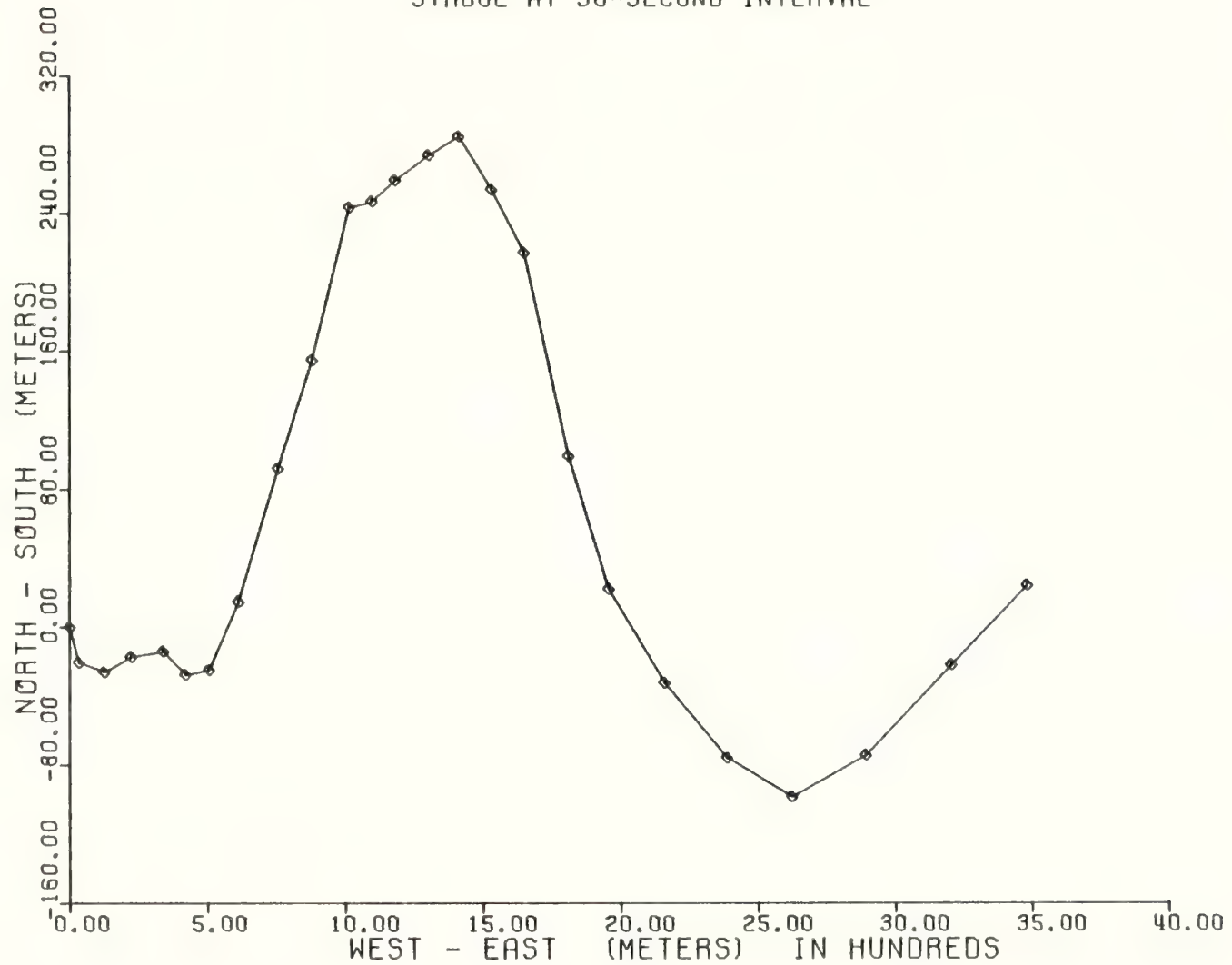


C-B PIBAL SOUNDING

TIME 1315 DATE 11/6/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

DATE: 11/8/78 TIME: AM

NO FLIGHT DUE TO LACK OF PERSONNEL

C-B PIBAL SOUNDING

SOUNDING DATE 11- 8-78

BALLOON RELEASED 1350 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	6.5	30.1	37.5	4.2	21.0
1.0	359.2	30.4	34.5	6.4	21.5
1.5	358.1	27.8	32.0	7.4	20.4
2.0	359.1	27.7	30.5	8.8	18.5
2.5	2.9	27.5	29.9	10.0	17.7
3.0	4.5	28.2	29.6	11.1	17.1
3.5	7.1	28.0	29.7	11.6	16.6
4.0	9.9	28.0	29.8	12.4	16.0
4.5	11.8	27.9	29.5	13.1	15.5
5.0	14.7	29.3	28.7	13.8	15.0
5.5	13.7	28.4	27.6	14.0	14.4
6.0	14.3	27.7	27.3	14.3	13.9
6.5	15.5	27.9	27.0	15.2	13.8
7.0	16.2	28.2	27.2	15.6	13.4
7.5	16.5	29.1	26.9	16.5	13.2
8.0	16.5	29.7	26.5	17.4	13.0
8.5	17.3	30.1	26.6	18.1	12.8
9.0	17.8	31.2	26.8	19.2	12.5
9.5	17.7	32.7	26.5	20.2	11.4
10.0	19.2	34.4	27.6	21.4	10.5
10.5	20.7	35.1	28.2	22.0	9.7
11.0	22.6	34.9	29.4	22.1	8.8
11.5	26.3	34.8	31.3	22.3	7.9
12.0	31.2	34.5	34.1	22.1	7.3

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	42.7	5.5
2	23.7	6.1
3	29.3	6.8
4	14.0	7.5
5	3.3	8.2
6	15.3	8.7
7	16.2	9.2
8	21.5	9.9
9	2.3	10.7
10	222.7	11.7
11	229.3	12.4
12	223.8	13.2
13	255.8	14.4
14	255.3	14.7
15	288.4	15.3

16	294.7	16.1
17	301.9	16.9
18	280.8	17.5
19	333.2	17.6
20	297.6	17.6
21	336.2	17.9
22	294.9	18.3
23	325.5	18.8
24	347.4	18.8

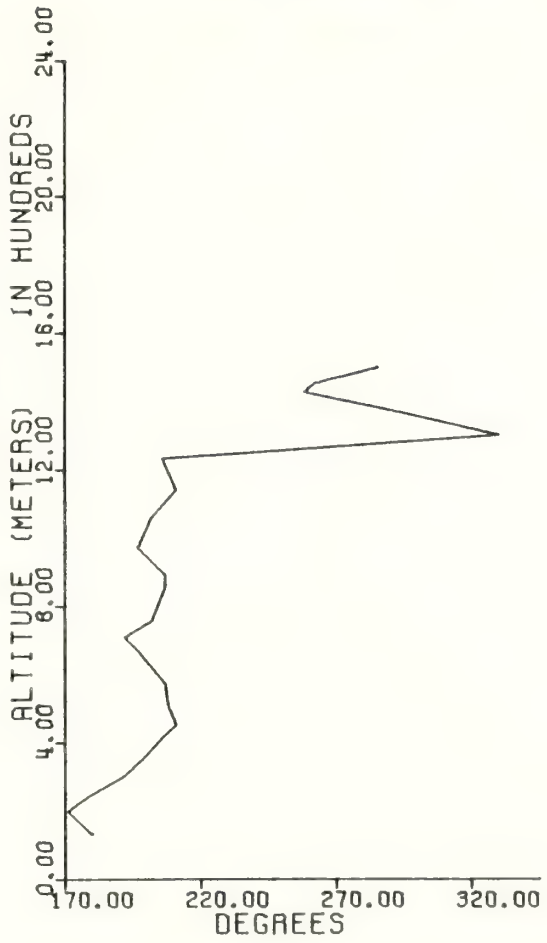
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
433.	180.	18.9	21.0
660.	171.	13.3	21.5
806.	179.	12.8	20.4
995.	192.	13.0	18.5
1199.	200.	11.3	17.7
1371.	206.	8.8	17.1
1491.	211.	10.9	16.6
1678.	208.	13.4	16.0
1885.	207.	15.4	15.5
2204.	197.	14.6	15.0
2333.	192.	13.8	14.4
2489.	202.	17.3	13.9
2818.	207.	12.7	13.8
2934.	207.	7.3	13.4
3197.	197.	11.0	13.2
3493.	202.	12.3	13.0
3755.	211.	9.7	12.8
4058.	206.	3.3	12.5
4287.	330.	3.4	11.4
4505.	293.	5.8	10.5
4695.	258.	7.9	9.7
4778.	262.	13.2	8.8
4938.	285.	17.5	7.9

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
132.	180.	5.8	21.0
201.	171.	4.1	21.5
246.	179.	3.9	20.4
303.	192.	4.0	18.5
365.	200.	3.4	17.7
418.	206.	2.7	17.1
454.	211.	3.3	16.6
511.	208.	4.1	16.0
575.	207.	4.7	15.5
672.	197.	4.5	15.0
711.	192.	4.2	14.4
759.	202.	5.3	13.9
859.	207.	3.9	13.8
894.	207.	2.2	13.4
975.	197.	3.4	13.2
1065.	202.	3.7	13.0
1145.	211.	3.0	12.8
1237.	206.	1.0	12.5
1307.	330.	1.0	11.4
1373.	293.	1.8	10.5
1431.	258.	2.4	9.7
1456.	262.	4.0	8.8
1505.	285.	5.3	7.9

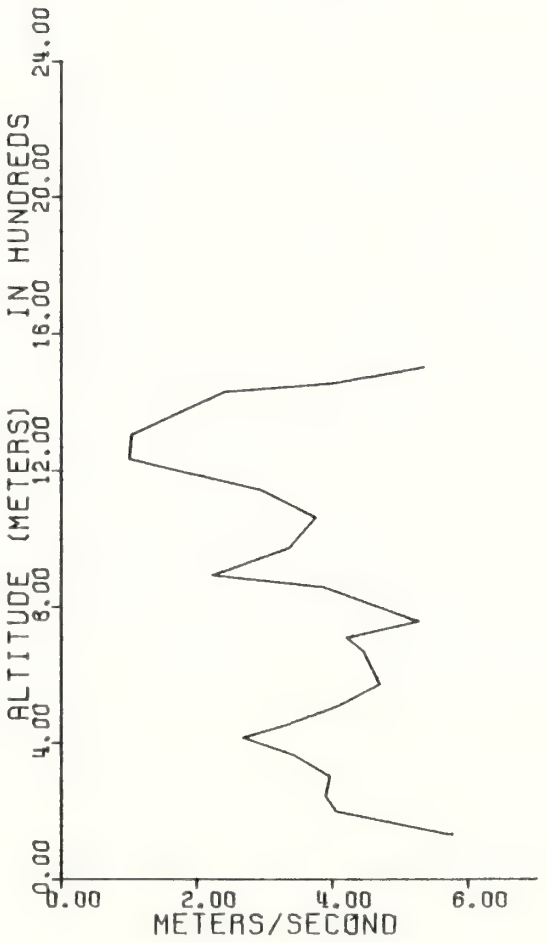
C-B PIBAL SOUNDING

TIME 1350 DATE 11/8/78

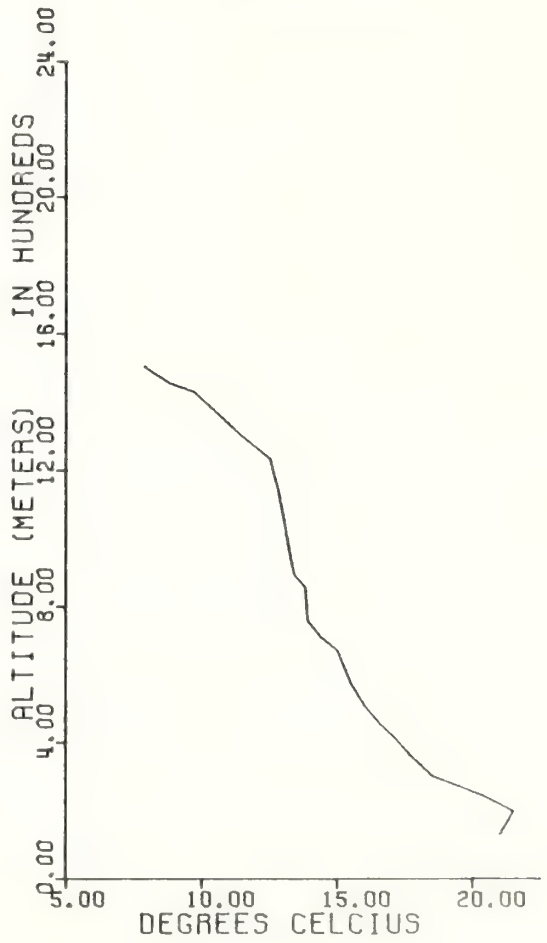
WIND DIRECTION



WIND SPEED



TEMPERATURE

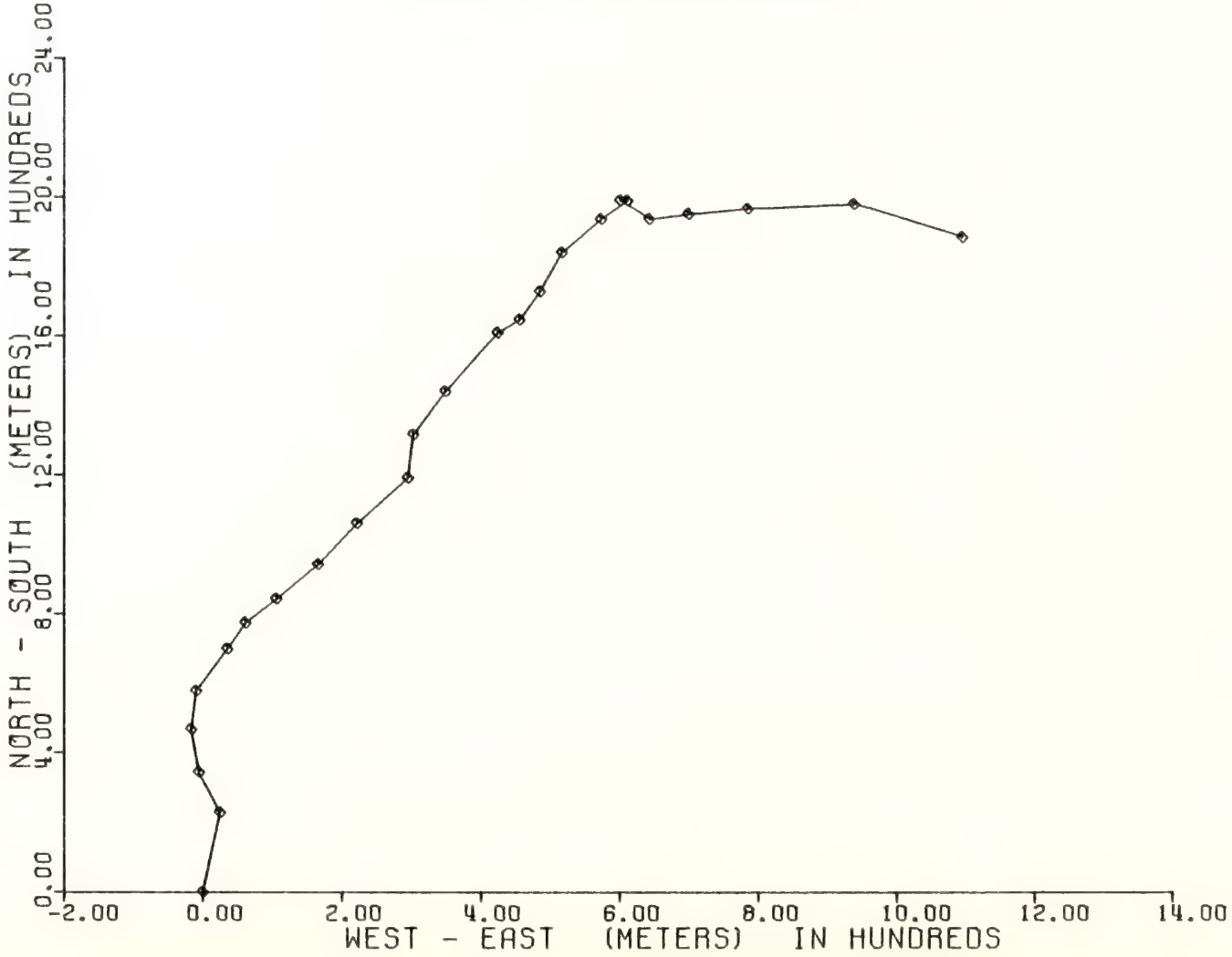


C-B PIBAL SOUNDING

TIME 1350 DATE 11/8/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

DATE: 11/10/78 TIME: 0715

NO FLIGHT DUE TO LOW CLOUD COVER

C-B PIBAL SOUNDING

SOUNDING DATE 11-10-78

BALLOON RELEASED 1345 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	89.5	28.5	46.0	2.9	-2.8
1.0	91.9	28.6	48.9	5.1	-2.7
1.5	93.1	29.7	51.4	7.1	-2.8
2.0	97.5	32.3	53.6	9.0	-3.0
2.5	106.5	37.5	55.7	11.9	-3.2
3.0	110.7	40.8	57.2	14.2	-3.4
3.5	109.0	44.4	54.8	15.9	-3.2
4.0	53.6	42.7	49.8	17.3	-2.8
4.5	41.8	38.2	40.2	17.1	-2.3
5.0	33.9	32.3	35.8	16.0	-1.9
5.5	26.1	27.5	31.3	15.2	-1.4
6.0	22.5	24.7	29.0	15.0	-1.0
6.5	18.8	21.7	24.8	14.2	-0.9
7.0	16.6	19.6	22.3	13.3	-1.2
7.5	14.8	18.4	20.1	13.2	-1.5
8.0	13.4	17.3	18.8	12.9	-1.9
8.5	12.5	16.5	17.2	12.6	-2.3
9.0	11.8	15.9	15.9	12.4	-2.7
9.5	11.6	15.5	15.5	12.4	-3.1
10.0	11.6	15.1	15.2	12.3	-3.8

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	28.4	4.9
2	46.7	5.5
3	53.2	6.1
4	50.6	6.5
5	73.3	6.6
6	75.8	6.8
7	221.4	6.8
8	446.0	9.7
9	278.8	10.6
10	426.4	12.3
11	436.3	15.2
12	329.7	18.0
13	505.1	22.7
14	593.3	26.2
15	615.7	31.3
16	513.9	34.6
17	632.7	40.0
18	742.1	45.6
19	682.9	50.0

20 677.6 54.7

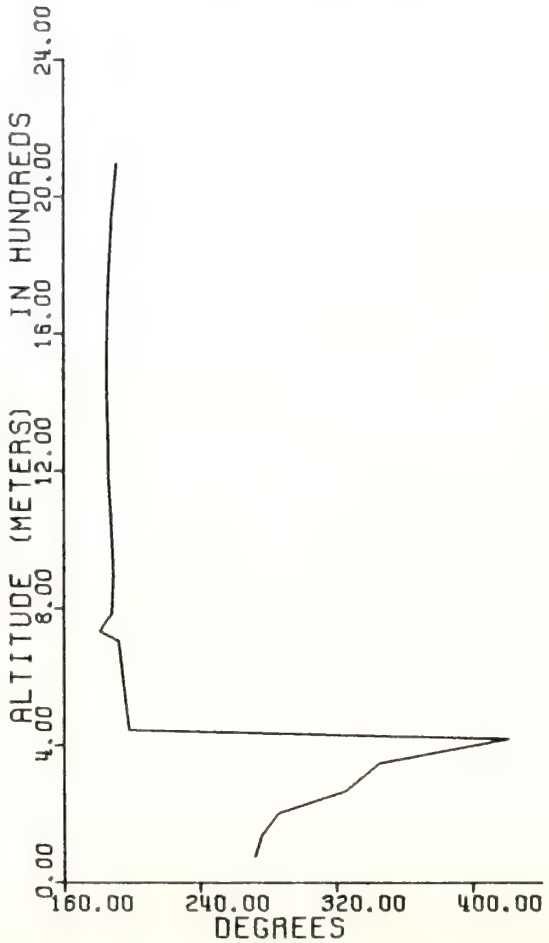
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
247.	272.	13.7	-2.8
455.	276.	11.9	-2.7
672.	286.	9.3	-2.8
879.	325.	7.2	-3.0
1145.	345.	6.5	-3.2
1377.	61.	1.2	-3.4
1461.	198.	34.2	-3.2
2314.	192.	47.6	-2.8
2413.	181.	35.1	-2.3
2584.	188.	49.8	-1.9
2959.	189.	57.8	-1.4
3345.	188.	73.4	-1.0
3892.	186.	80.9	-0.9
4162.	186.	83.3	-1.2
4808.	185.	80.9	-1.5
5109.	185.	83.5	-1.9
5705.	186.	104.3	-2.3
6349.	188.	94.7	-2.7
6874.	191.	85.3	-3.1

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
75.	272.	4.2	-2.8
139.	276.	3.6	-2.7
205.	286.	2.8	-2.8
268.	325.	2.2	-3.0
349.	345.	2.0	-3.2
420.	61.	0.4	-3.4
445.	198.	10.4	-3.2
705.	192.	14.5	-2.8
736.	181.	10.7	-2.3
788.	188.	15.2	-1.9
902.	189.	17.6	-1.4
1020.	188.	22.4	-1.0
1186.	186.	24.7	-0.9
1269.	186.	25.4	-1.2
1466.	185.	24.7	-1.5
1557.	185.	25.5	-1.9
1739.	186.	31.8	-2.3
1935.	188.	28.9	-2.7
2095.	191.	26.0	-3.1

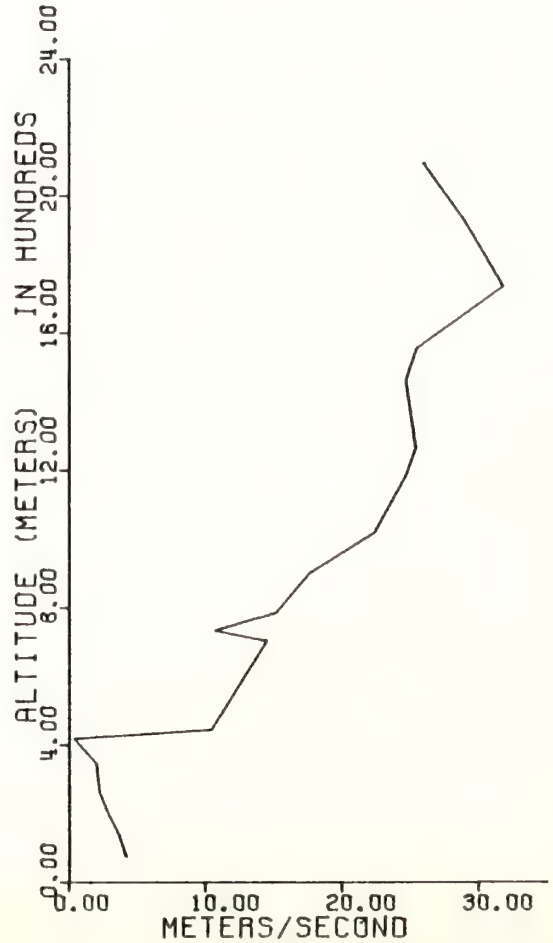
C-B PIBAL SOUNDING

TIME 1345 DATE 11/10/78

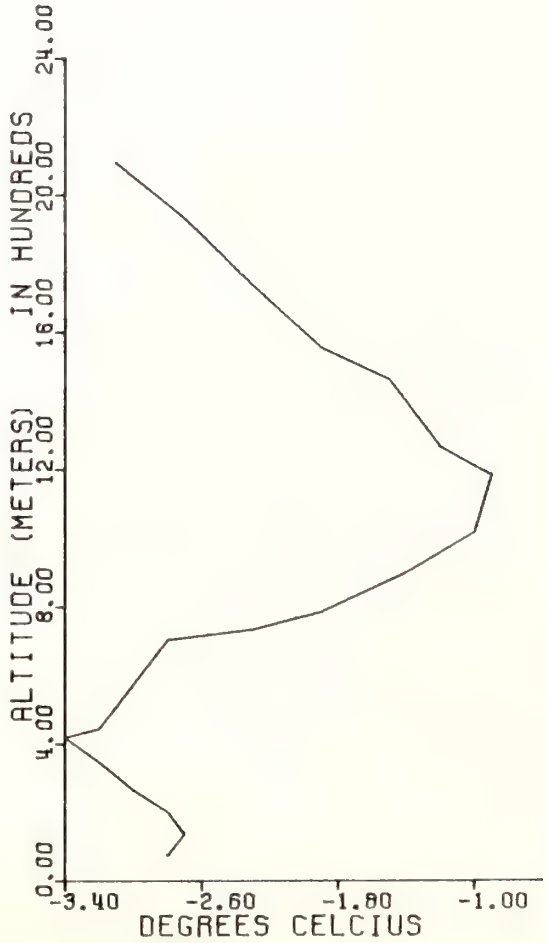
WIND DIRECTION

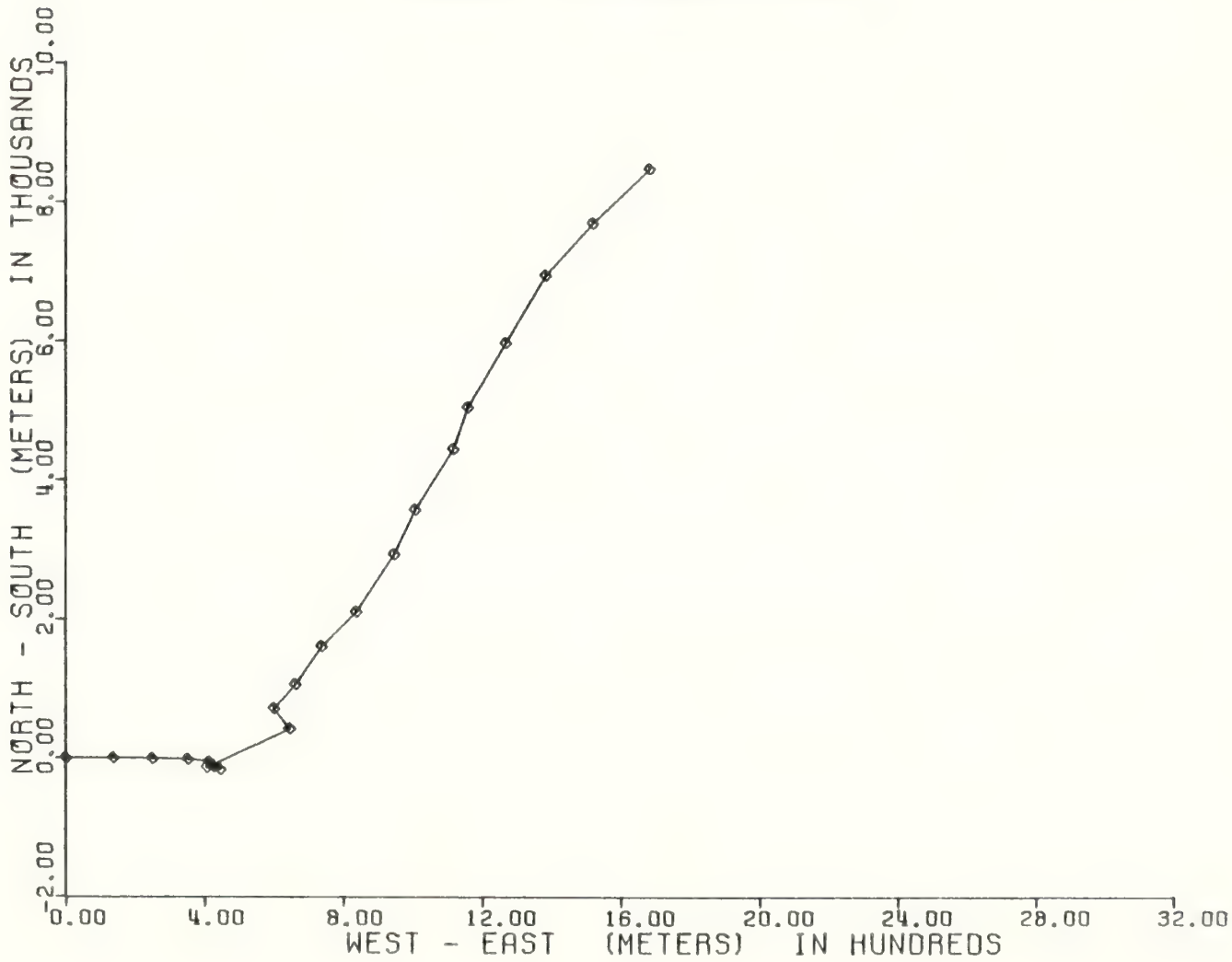


WIND SPEED



TEMPERATURE




C-B PIBAL SOUNDING
TIME 1345 DATE 11/10/78
PIBAL TRAJECTORY - LAUNCH AT ORIGIN
SYMBOL AT 30-SECOND INTERVAL
NORTH - SOUTH (METERS) IN THOUSANDS
10.00
8.00
6.00
4.00
2.00
0.00
-2.00
0.00
4.00
8.00
12.00
16.00
20.00
24.00
28.00
32.00
WEST - EAST (METERS) IN HUNDREDS

C-B PIBAL SOUNDING

SOUNDING DATE 11-13-78

BALLOON RELEASED 715 MST

BASE LINE ANGLE	222.5
BASE LINE LENGTH (FT)	4804.2
TIME INTERVAL (SEC)	30.0
BASE LINE HEIGHT (FT)	8.0

	THEODOLITE #1		THEODOLITE #2		
TIME	AZIMUTH	ELEVATION	AZIMUTH	ELEVATION	TEMP (DEG.C)
0.0	0.0	0.0	42.5	-0.1	0.0
0.5	265.2	41.0	40.5	1.6	-2.2
1.0	309.0	43.0	37.5	4.0	-4.2
1.5	338.3	34.0	32.7	6.2	-5.2
2.0	348.0	26.7	29.2	7.2	-5.0
2.5	353.8	22.8	25.4	8.2	-5.2
3.0	0.3	20.4	23.3	9.1	-5.8
3.5	4.1	19.3	22.0	9.9	-6.3
4.0	5.7	18.4	21.3	10.2	-6.9
4.5	8.8	17.3	21.3	10.3	-7.5
5.0	13.0	16.4	22.2	10.5	-8.2
5.5	15.5	15.8	22.9	10.6	-8.9
6.0	17.6	15.5	23.8	10.7	-9.6
6.5	19.9	15.4	24.8	10.9	0.0
7.0	22.2	15.5	26.1	11.3	0.0
7.5	24.4	15.8	27.3	11.8	0.0
8.0	26.8	15.6	28.7	11.8	0.0
8.5	28.4	15.4	29.7	11.8	0.0
9.0	30.0	15.3	30.8	11.9	0.0
9.5	31.3	15.3	31.5	12.1	0.0
10.0	32.0	15.4	32.1	12.3	0.0

COMPARISON OF REAL ERROR WITH 0.1 DEG. ERROR

TIME	RHO	ERROR
1	43.3	4.3
2	34.5	4.7
3	73.6	5.6
4	72.5	6.8
5	114.5	8.5
6	148.5	10.8
7	182.0	13.2
8	183.3	14.8
9	213.4	17.4
10	257.8	21.0
11	286.8	24.0
12	311.1	26.3
13	382.3	29.2
14	408.0	31.9
15	488.4	34.7
16	615.7	36.2
17	687.7	37.1
18	733.6	37.5

19	855.0	36.8
20	835.3	37.6

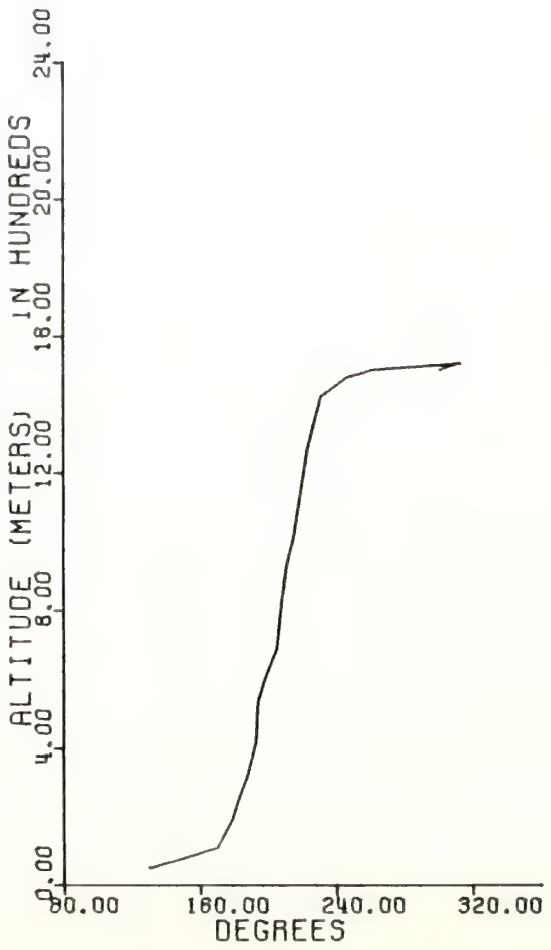
HEIGHT FEET	DIRECTION DEGREES	SPEED FT/SEC	TEMP DEG C
164.	130.	6.6	-2.2
366.	170.	15.3	-4.2
631.	179.	22.3	-5.2
801.	182.	28.3	-5.0
1060.	188.	38.4	-5.2
1391.	193.	44.6	-5.8
1755.	194.	38.5	-6.3
1976.	198.	40.0	-6.9
2269.	205.	59.0	-7.5
2714.	208.	63.8	-8.2
3069.	211.	51.0	-8.9
3349.	215.	49.6	-9.6
3738.	219.	53.5	0.0
4171.	223.	53.3	0.0
4681.	231.	44.6	0.0
4862.	246.	28.9	0.0
4938.	261.	19.7	0.0
5001.	313.	14.2	0.0
4931.	301.	9.9	0.0

HEIGHT METERS	DIRECTION DEGREES	SPEED M/SEC	TEMP DEG C
50.	130.	2.0	-2.2
112.	170.	4.7	-4.2
192.	179.	6.8	-5.2
244.	182.	8.6	-5.0
323.	188.	11.7	-5.2
424.	193.	13.6	-5.8
535.	194.	11.7	-6.3
602.	198.	12.2	-6.9
692.	205.	18.0	-7.5
827.	208.	19.4	-8.2
936.	211.	15.5	-8.9
1021.	215.	15.1	-9.6
1139.	219.	16.3	0.0
1271.	223.	16.2	0.0
1427.	231.	13.6	0.0
1482.	246.	8.8	0.0
1505.	261.	6.0	0.0
1524.	313.	4.3	0.0
1503.	301.	3.0	0.0

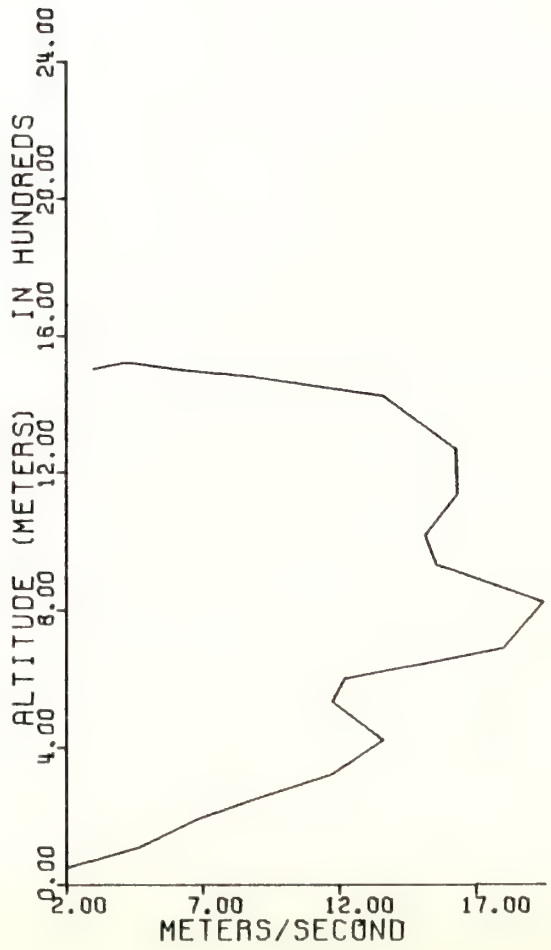
C-B PIBAL SOUNDING

TIME 715 DATE 11/13/78

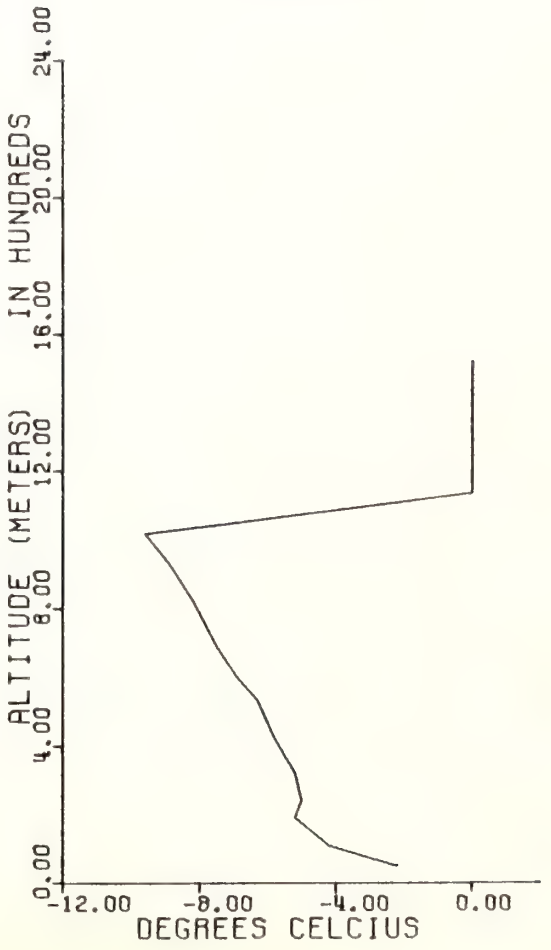
WIND DIRECTION



WIND SPEED



TEMPERATURE

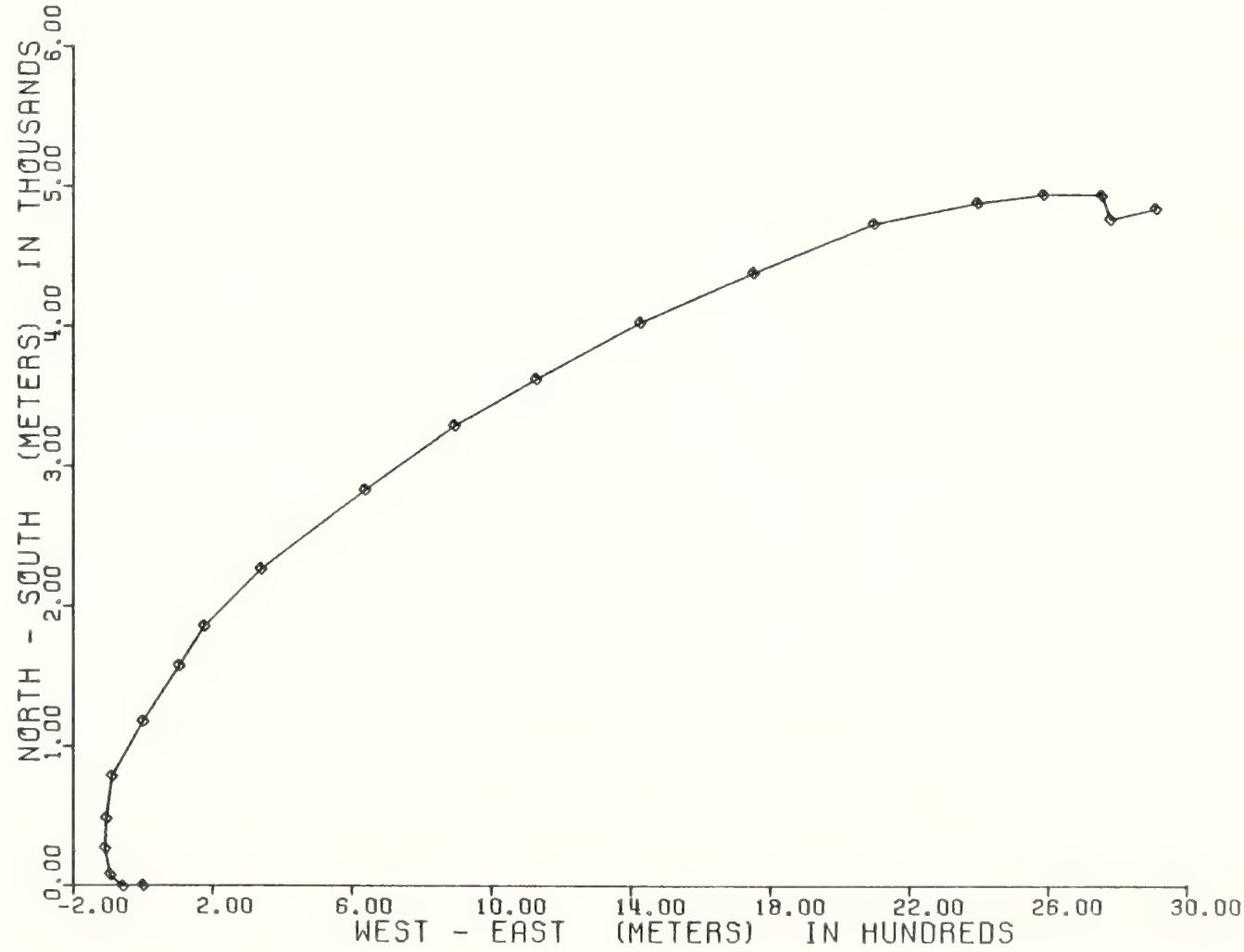


C-B PIBAL SOUNDING

TIME 715 DATE 11/13/78

PIBAL TRAJECTORY - LAUNCH AT ORIGIN

SYMBOL AT 30-SECOND INTERVAL



C-B PIBAL SOUNDING

DATE: 11/13/78 TIME: 1400

NO FLIGHT DUE TO LOW CLOUD COVER

C-B PIBAL SOUNDING

DATE: 11/14/78 TIME: 0715

NO FLIGHT DUE TO LOW CLOUD COVER

C-B PIBAL SOUNDING

DATE: 11/14/78 TIME: 1345

NO FLIGHT DUE TO LOW CLOUD COVER

STABILITY CLASS USING DT/DZ
DT 60-10M
WS 10M

CB-TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE, INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE
1	F	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	E	E	E	F	F	F	F	F	E
2	F	D	E	D	E	E	F	E	E	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E	E
3	F	F	F	F	E	E	F	F	D	D	D	D	D	D	D	D	E	E	F	F	F	F	F	E	E
4	F	F	F	F	F	F	F	F	F	E	E	D	D	D	D	D	D	D	E	E	E	E	F	E	E
5	F	F	F	F	E	F	F	F	F	E	D	D	D	D	D	D	D	E	E	E	E	F	E	F	E
6	F	F	E	E	F	E	F	F	F	F	E	D	D	D	D	D	E	E	F	F	F	F	F	F	E
7	F	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	E	F	F	F	F	F	F	F	E
8	F	F	F	F	F	F	F	F	F	E	D	D	D	D	D	D	D	E	F	E	E	E	E	E	E
9	E	E	F	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D
10	D	F	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	F	E	E	E
11	E	E	E	E	E	E	F	E	E	E	D	D	C	D	D	D	E	E	E	E	F	F	( )	F	E
12	E	E	E	E	E	E	E	E	D	E	E	E	D	D	E	D	E	E	E	E	D	D	D	D	E
13	D	D	D	E	E	F	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E
14	E	E	( )	E	E	F	F	E	E	E	E	E	E	E	E	E	E	E	E	D	D	D	E	E	E
15	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	D	E	E	E	E	E	E	F	E	E
16	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	E	E	E	E	E	E	E	F	E	E
17	E	E	E	E	E	E	E	F	F	E	E	F	E	E	E	E	F	F	F	F	F	F	F	F	E
18	F	( )	( )	( )	F	F	F	F	( )	F	F	F	F	E	E	F	F	F	F	F	F	F	F	E	F
19	F	E	F	F	F	F	E	E	E	E	E	D	D	E	E	E	E	E	E	E	E	E	E	E	E
20	E	E	E	E	E	E	E	E	E	E	E	D	E	D	D	E	E	E	E	F	F	F	F	F	E
21	E	E	F	F	E	F	F	F	F	F	F	E	D	D	D	D	E	D	D	E	E	F	F	F	E
22	E	D	D	D	E	E	E	E	D	E	D	D	D	D	D	D	D	F	E	E	F	F	F	F	E
23	F	E	F	F	E	F	E	F	E	E	E	E	E	E	E	E	E	E	E	F	F	F	E	F	E
24	F	F	F	F	F	F	F	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E
25	F	F	F	F	E	E	E	F	F	E	E	E	E	E	E	D	E	E	E	E	E	E	E	E	E
26	E	E	E	E	E	E	E	E	E	E	E	D	B	D	E	E	E	E	E	E	E	E	E	E	E
27	E	E	E	E	E	E	E	E	E	E	E	E	D	E	E	E	E	E	F	E	F	F	F	E	E
28	F	F	E	E	F	E	E	E	E	E	D	D	D	D	D	D	E	E	E	E	E	E	E	E	E
29	E	E	E	E	E	E	E	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
30	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E
AVE	E	E	E	E	E	E	E	E	E	E	E	E	D	D	D	D	E	E	E	E	E	E	E	E	E

(05/17/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	1	2	1	0	0	0	0	0	0	0	0	1	1	4	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	5	9	8	22	121	179	55	10	20	13	8	9	61	108	33	8	50 :	719
TOTAL :	5	9	8	22	121	179	55	10	20	13	8	9	61	108	33	8	50	719
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	6	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	30	19	11	25	19	24	25	43	72	120	79	34	30	52	74	37	24 :	718
TOTAL :	30	19	11	25	19	24	25	43	72	120	79	34	30	52	74	37	24	718
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	1	0	3	7	1	1	0	0	0	0	0	0	1	1	1	15	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1 :	1
LT 10. :	5	9	8	22	121	179	55	10	20	13	8	9	61	108	33	8	49 :	718
TOTAL :	5	9	8	22	121	179	55	10	20	13	8	9	61	108	33	8	50	719
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	18	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	29	19	11	25	19	24	25	43	72	120	79	34	30	52	74	37	24 :	717
TOTAL :	30	19	11	25	19	24	25	43	72	120	79	34	30	52	74	37	24	718
MEAN CONC.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	1	0	1	3	1	1	0	0	0	0	0	0	1	0	0	7	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	5	9	8	22	121	179	55	10	20	13	8	9	61	108	33	8	50 :	719
TOTAL :	5	9	8	22	121	179	55	10	20	13	8	9	61	108	33	8	50	719
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	29	19	11	25	19	24	25	43	72	120	79	34	30	52	74	37	24 :	717
TOTAL :	30	19	11	25	19	24	25	43	72	120	79	34	30	52	74	37	24	718
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	78	78	78	62	78	78	82	88	88	82	88	88	88	105	98	94	76	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0 :	3
80. - 100. :	0	0	0	0	0	0	1	3	1	1	2	4	2	6	7	1	0 :	28
60. - 80. :	4	4	2	1	12	16	5	0	11	9	6	2	9	17	4	3	9 :	114
40. - 60. :	1	4	3	6	33	57	24	6	3	1	0	3	30	54	13	3	20 :	261
20. - 40. :	0	1	3	13	52	90	25	1	5	2	0	0	20	26	7	0	17 :	262
LT 20. :	0	0	0	2	24	16	0	0	0	0	0	0	0	2	2	1	5 :	52
TOTAL :	5	9	8	22	121	179	55	10	20	13	8	9	61	108	33	8	51	720
MEAN CONC.	68	59	49	37	37	39	44	58	60	64	74	72	48	52	56	56	44	46

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	88	86	74	78	84	78	80	82	88	88	98	92	88	78	88	88	80	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 100. :	4	2	0	0	1	0	1	1	5	21	18	3	1	0	10	5	1 :	73
60. - 80. :	18	11	9	17	12	14	19	33	50	87	49	18	18	33	48	27	18 :	481
40. - 60. :	7	6	1	8	6	9	4	10	17	12	13	12	9	13	11	4	5 :	147
20. - 40. :	1	0	1	0	0	1	1	0	0	0	0	1	2	6	5	1	0 :	19
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	30	19	11	25	19	24	25	44	72	120	80	34	30	52	74	37	24	720
MEAN CONC.	67	68	64	64	64	63	66	68	69	73	72	65	64	63	69	70	66	68

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N 114	NNE 114	NE 229	ENE 114	E 229	ESE 229	SE 229	SSE 114	S 114	SSW 114	SW 114	WSW 114	W 229	WNW 114	NW 229	NNW 114	CALM 229	TOTAL
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	5	9	8	22	121	179	55	10	20	13	8	9	61	107	33	8	51 :	71º
TOTAL :	5	9	8	22	121	179	55	10	20	13	8	9	61	107	33	8	51	71º
MEAN CONC.	45	63	100	78	53	73	54	22	63	44	57	63	67	54	62	86	85	64

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	229	114	114	114	114	114	114	114	114	3564	459	114	229	229	229	229	229	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0 :	1
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	30	19	11	25	19	24	24	42	72	118	80	34	30	51	74	36	24 :	713
TOTAL :	30	19	11	25	19	24	24	42	72	119	80	34	30	51	74	36	24	714
MEAN CONC.	30	18	10	13	12	14	14	13	22	67	30	40	34	42	24	35	23	33

0 = NO OBSERVATIONS

(05/18/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

SULFUR DIOXIDE (SO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	30	19	11	25	19	24	25	44	72	120	79	34	30	52	74	37	24 :	719
TOTAL :	30	19	11	25	19	24	25	44	72	120	79	34	30	52	74	37	24	719
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

HYDROGEN SULFIDE (H2S) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(11/01/78 TO 11/30/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	30	19	11	25	19	24	25	43	72	119	79	34	30	52	74	37	24 :	717
TOTAL :	30	19	11	25	19	24	25	43	72	119	79	34	30	52	74	37	24	717
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/18/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB20 PERIOD(11/01/78 TO 11/30/78)

WIND SPEED MAX METERS/SEC		WIND DIRECTION																	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		4	1	1	1	3	4	5	4	6	6	4	6	5	8	4	2	2	
GT	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. -	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0 :	1
5. -	8. :	0	0	0	0	0	0	2	0	3	2	0	3	2	3	0	0	0 :	15
3. -	5. :	3	0	0	0	2	5	17	4	9	4	4	1	24	20	1	0	0 :	94
1. -	3. :	2	2	2	3	49	119	25	6	7	6	4	5	28	58	19	4	16 :	355
LT	1. :	0	4	5	16	59	37	2	0	1	0	0	0	2	11	8	3	30 :	178
TOTAL	:	5	6	7	19	110	161	46	10	20	12	8	9	56	93	28	7	46	643
PERCENT		1.	1.	1.	3.	17.	25.	7.	2.	3.	2.	1.	1.	9.	14.	4.	1.	7.	100.

0 = NO OBSERVATIONS

(05/ /79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(11/01/78 TO 11/30/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	5	6	1	2	3	3	3	6	10	13	9	8	4	5	8	4	1	
GT 11. :	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0 :	2
8. - 11. :	0	0	0	0	0	0	0	0	6	7	6	1	0	0	1	0	0 :	21
5. - 8. :	1	1	0	0	0	0	0	3	13	30	11	3	0	1	3	0	0 :	66
3. - 5. :	2	1	0	0	1	1	2	13	26	40	17	1	5	9	8	9	0 :	135
1. - 3. :	10	5	3	13	9	15	18	17	13	30	34	18	11	24	36	14	5 :	275
LT 1. :	17	11	8	12	9	8	5	11	14	10	11	10	14	17	26	14	18 :	215
TOTAL :	30	18	11	25	19	24	25	44	72	119	79	33	30	51	74	37	23	714
PERCENT	4.	3.	2.	4.	3.	3.	4.	6.	10.	17.	11.	5.	4.	7.	10.	5.	3.	100.

0 = NO OBSERVATIONS

(05/18/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

30 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(11/01/78 TO 11/30/78)

WIND SPEED MAX METERS/SEC		WIND DIRECTION																	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		4	6	5	2	2	3	2	5	4	11	12	9	7	4	5	8	2	
GT	11. :	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0 :	4
8. -	11. :	0	0	0	0	0	0	0	0	0	3	6	9	0	0	0	1	0 :	19
5. -	8. :	0	1	1	0	0	0	0	1	0	15	25	11	3	0	1	3	0 :	61
3. -	5. :	10	1	0	0	0	1	0	5	13	21	41	21	6	3	1	6	0 :	129
1. -	3. :	6	4	1	6	9	8	13	13	9	18	25	30	13	10	33	26	6 :	230
LT	1. :	12	6	5	3	9	11	10	14	3	13	12	10	13	17	26	21	11 :	196
TOTAL	:	28	12	7	9	18	20	23	33	25	71	112	81	35	30	61	57	17	639
PERCENT		4.	2.	1.	1.	3.	3.	4.	5.	4.	11.	18.	13.	5.	5.	10.	9.	3.	100.

0 = NO OBSERVATIONS

(05/ /79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

60 METER LEVEL C-B SHALE OIL PROJECT

STATION AB23 PERIOD(11/01/78 TO 11/30/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	0	0	0	0	0	0	0	0	9	13	1	0	0	0	0	0	0	
GT 11. :	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	: 5
8. - 11. :	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	: 7
5. - 8. :	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	: 2
3. - 5. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
1. - 3. :	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	: 1
LT 1. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
TOTAL :	0	0	0	0	0	0	0	0	1	13	1	0	0	0	0	0	0	15
PERCENT	0.	0.	0.	0.	0.	0.	0.	0.	7.	87.	7.	0.	0.	0.	0.	0.	0.	100.

0 = NO OBSERVATIONS

(06/12/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD42 PERIOD(11/01/78 TO 11/30/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	3	5	3	3	4	4	5	11	9	7	9	8	9	4	5	3	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	1	3	0	1	0	1	0	1	0	0 :	7
5. - 8. :	0	0	0	0	0	0	0	1	12	6	2	3	6	0	1	0	0 :	31
3. - 5. :	0	2	0	0	2	3	3	5	22	13	6	5	12	3	2	0	0 :	73
1. - 3. :	9	26	38	66	73	16	16	8	46	28	14	35	74	32	21	15	0 :	517
LT 1. :	0	1	0	1	1	2	1	0	4	0	1	1	1	1	1	1	0 :	16
TOTAL :	9	29	38	67	76	21	20	15	87	47	24	44	94	36	26	19	0	649
PERCENT	1.	4.	6.	10.	12.	3.	3.	2.	13.	7.	4.	7.	14.	6.	4.	2.	0.	100.

0 = NO OBSERVATIONS

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 20
NOVEMBER, 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HOUR	1	7	00	29.7	ug/m^3
		2	4	00	23.7	ug/m^3
		3	1	00	14.2	ug/m^3
		4	22	00	9.3	ug/m^3
		5	28	00	7.8	ug/m^3
OZONE	1-HOUR	1	5	17	106.0	ug/m^3
		2	5	15	104.0	ug/m^3
		3	5	16	104.0	ug/m^3
		4	5	14	98.0	ug/m^3
		5	5	18	98.0	ug/m^3
CO	1-HOUR	1	1	18	200.0	ug/m^3
		2	2	16	200.0	ug/m^3
		3	2	17	200.0	ug/m^3
		4	2	18	200.0	ug/m^3
		5	3	2	200.0	ug/m^3
CO	8-HOUR	1	11	23	200.0	ug/m^3
		2	2	24	200.0	ug/m^3
		3	10	3	200.0	ug/m^3
		4	2	12	100.0	ug/m^3
		5	3	24	100.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 23
NOVEMBER, 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HOUR	1	7	00	13.9	ug/m^3
		2	4	00	12.3	ug/m^3
		3	10	00	12.3	ug/m^3
		4	28	00	6.4	ug/m^3
		5	22	00	3.5	ug/m^3
CARBON MONOXIDE	1-HOUR	1	8	14	3600.0	ug/m^3
		2	8	13	500.0	ug/m^3
		3	6	12	200.0	ug/m^3
		4	6	16	200.0	ug/m^3
		5	13	15	200.0	ug/m^3
	8-HOUR	1	8	7	500.0	ug/m^3
		2	26	2	200.0	ug/m^3
		3	9	11	100.0	ug/m^3
		4	13	11	100.0	ug/m^3
		5	22	2	100.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 23
NOVEMBER, 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
SULFUR DIOXIDE	3-HOUR	1	-	-	0	ug/m^3
		2	-	-	0	ug/m^3
		3	-	-	0	ug/m^3
		4	-	-	0	ug/m^3
		5	-	-	0	ug/m^3
	24-HOUR	1	-	-	0	ug/m^3
		2	-	-	0	ug/m^3
		3	-	-	0	ug/m^3
		4	-	-	0	ug/m^3
		5	-	-	0	ug/m^3
OZONE	1-HOUR	1	12	21	98.0	ug/m^3
		2	12	22	96.0	ug/m^3
		3	12	16	92.0	ug/m^3
		4	12	17	92.0	ug/m^3
		5	22	15	92.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE 42
NOVEMBER, 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HOUR	1	7	00	15.4	ug/m^3
		2	4	00	14.5	ug/m^3
		3	10	00	9.8	ug/m^3
		4	1	00	7.9	ug/m^3
		5	22	00	3.7	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE 56
NOVEMBER, 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HOUR	1	7	00	25.6	ug/m^3
		2	4	00	23.8	ug/m^3
		3	10	00	18.3	ug/m^3
		4	25	00	5.4	ug/m^3
		5	1	00	4.0	ug/m^3

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	CO	SO_2	H_2S
MULTIPOINT RECORDER	100	100	100	100	100		
DATA ACQUISITION SYSTEM	0	0	0	0	0		
OTHER SYSTEMS							
MONTHLY TOTAL	100	100	100	100	100		

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 20
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	WS	WD	TEMP	INVERS. HT	STB 50m	STB 200m	PART	PRECIP.
MULTIPOINT RECORDER	100	100	100					
DATA ACQUISITION SYSTEM	0	0	0					
OTHER SYSTEMS				64	64	64	100	100
MONTHLY TOTAL	100	100	100	64	64	64	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	SO_2	H_2S	CO	BAR PRESS.	SOLAR RAD.
MULTIPOINT RECORDER	100	100	100	100	100	100	99	100	100
DATA ACQUISITION SYSTEM	0	0	0	0	0	0	0	0	0
OTHER SYSTEMS									
MONTHLY TOTALS	100	100	100	100	100	100	99	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE, INC

	SIGMA HWD 10m	SIGMA HWD 30m	SIGMA HWD 60m	WS 10m	WS 30m	WS 60m	WD 10m	WD 30m	WD 60m
MULTIPOINT RECORDER	93			100	100	2	100	89	100
DATA ACQUISITION SYSTEM	0			0	0	0	0	0	0
OTHER SYSTEMS									
MONTHLY TOTALS	93			100	100	2	100	89	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	TMP 10m	TMP 30m	TMP 60m	DT 60-10m	RH	PART	PREC
MULTIPOINT RECORDER	100	100	100	100			
DATA ACQUISITION SYSTEM	0	0	0	0			
OTHER SYSTEMS					85	100	92
MONTHLY TOTALS	100	100	100	100	85	100	92

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE 042
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	91	91	100	80
MONTHLY TOTALS	91	91	100	80

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE 056
NOV 1978
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	0	0	0	100
MONTHLY TOTALS	0	0	0	100

DATA REPORT

AIR MONITORING REPORT
FOR
PROTOTYPE OIL SHALE LEASE TRACT C-B

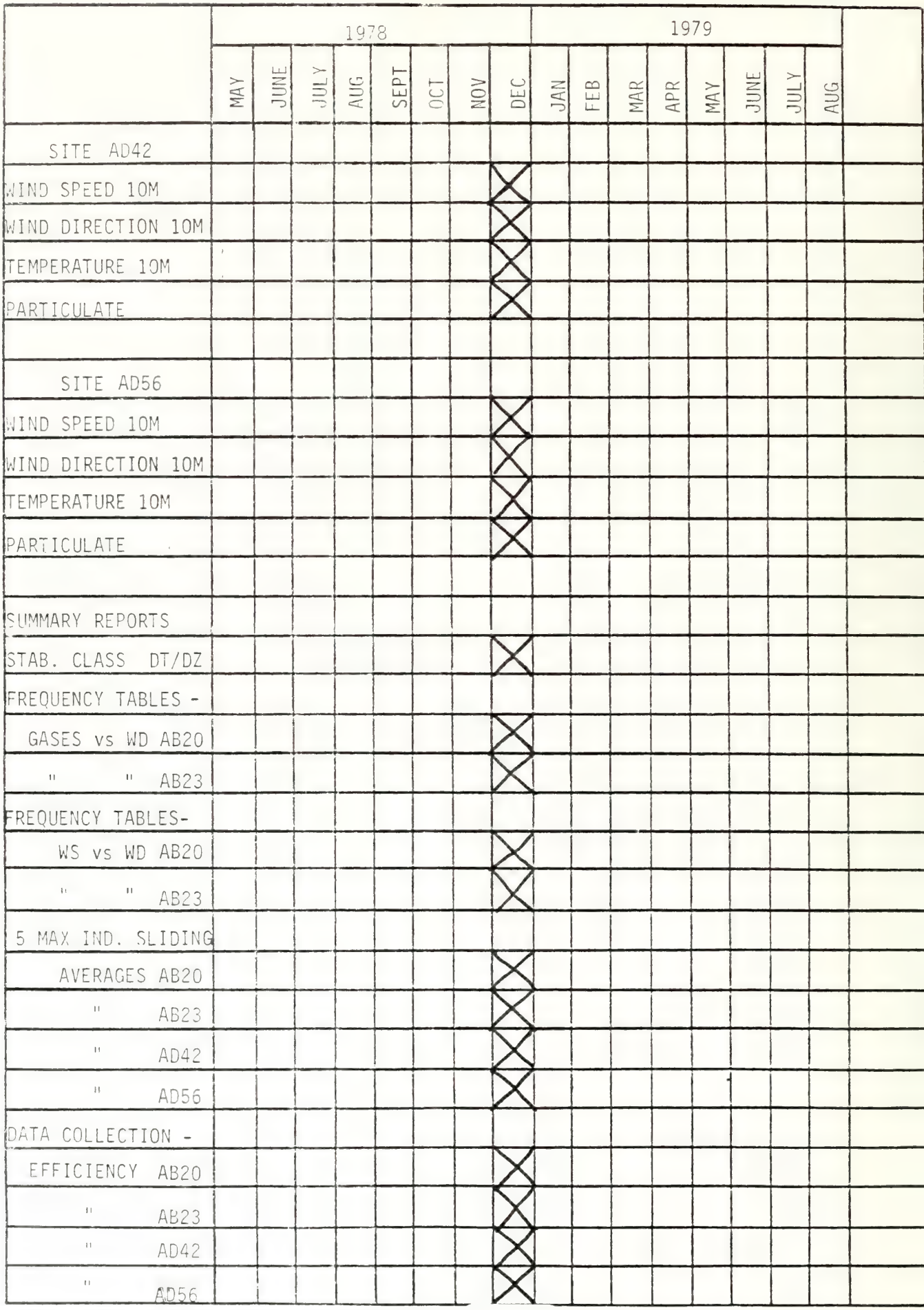
DECEMBER 1978

Submitted July 15, 1979

PREPARED BY:
OCCIDENTAL OIL SHALE, INC. OPERATOR
P.O. BOX 2687
GRAND JUNCTION, COLORADO 81502

SITE AB20	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO								X									
NOX								X									
NO2								X									
O3								X									
CO								X									
SO2																	
H2S																	
PARTICULATE								X									
WIND SPEED								X									
WIND DIRECTION								X									
TEMPERATURE								X									
PRECIPITATION								X									
INVERSION HGT.								X									
STABILITY CLS 50M								X									
STABILITY CLS 200M								X									

SITE AB23 & AA23	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO								X									
NOX								X									
NO2								X									
O3								X									
CO								X									
SO2								X									
H2S								X									
PARTICULATE								X									
WIND SPEED 10M								X									
WIND SPEED 30M								X									
WIND SPEED 60M								X									
WIND DIRECTION 10M								X									
WIND DIRECTION 30M								X									
WIND DIRECTION 60M								X									
SIGMA HOR WD 10M								X									
SIGMA HOR WD 30M																	
SIGMA HOR WD 60M								X									
TEMPERATURE 10M								X									
TEMPERATURE 30M								X									
TEMPERATURE 60M								X									
DELTA T 60-10M								X									
PRECIPITATION								X									
EVAPORATION																	
RELATIVE HUMIDITY								X									
SOLAR RADIATION								X									
BAROMETRIC PRESS.								X									


1978
1979
MAY
JUNE
JULY
AUG
SEPT
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUNE
JULY
AUG
SITE AD42
WIND SPEED 10M
WIND DIRECTION 10M
TEMPERATURE 10M
PARTICULATE
SITE AD56
WIND SPEED 10M
WIND DIRECTION 10M
TEMPERATURE 10M
PARTICULATE
SUMMARY REPORTS
STAB. CLASS DT/DZ
FREQUENCY TABLES -
GASES vs WD AB20
" " AB23
FREQUENCY TABLES-
WS vs WD AB20
" " AB23
5 MAX IND. SLIDING
AVERAGES AB20
" AB23
" AD42
" AD56
DATA COLLECTION -
EFFICIENCY AB20
" AB23
" AD42
" AD56

SUMMARY REPORTS (Continued)	1978								1979								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
VECTOR AVERAGES																	
WD & WS AB20								X									
" AB23								X									

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	10	10	4	0	0	0	6	10	0	0	0	0	12	9	0	0	0	0	0	0	0	0	0	2	12
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	6	1	6
25	2	4	4	4	4	4	4	5	5	5	5	5	5	6	6	5	4	6	6	6	6	4	4	4	5	6
26	5	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	0	0	0	0	3	6
27	0	0	0	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	1	1	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
PK	5	10	10	4	4	4	4	6	10	5	5	5	5	12	9	5	4	6	6	6	6	4	6	6		12

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(PF)	(PF)	0	0
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	1	1	1	1	1	1	1	1	1	1	1	( )	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	(CA)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
13	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	(CA)	(CA)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	(CA)	(CA)	(CA)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	1	0	1	1	(MT)	(MT)	2	2	2	2	2	2	2	2	2	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	4
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	2	(MT)	1	1	1	1	1	1	1	1	1	1	1	2
29	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
30	1	1	1	1	1	1	0	0	0	1	1	1	1	2	4	1	2	1	1	1	1	1	1	1	1	4
31	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	1	2
AV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PK	1	1	1	1	1	1	1	1	1	2	1	4	2	2	4	2	2	2	2	2	2	2	2	2		4

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	15	19	6	0	0	0	9	15	0	0	0	0	19	24	9	0	0	0	0	0	0	0	0	5	24
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14	4	0	0	0	0	0	0	2	2	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	4
15	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	19	0	0	0	0	0	0	1	19
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
18	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	4
19	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9	9	2	9
25	4	6	6	6	6	6	6	8	8	8	8	8	8	9	9	8	6	9	9	9	9	6	6	6	7	9
26	8	9	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	0	0	0	0	5	9
27	0	0	0	0	0	0	0	0	0	0	(MT)	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	1	1	1	1	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	0	0	0	1	0	1	
PK	8	15	19	6	6	6	6	9	15	8	8	8	8	19	24	9	6	19	9	9	9	6	9	9		24

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(PF)	(PF)	0	0
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	23	15	11	8	6	6	6	4	4	2	2	( )	23
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	6	4	2	2	2	2	4	2	2	2	2	2	2	2	6
11	2	2	2	2	2	2	2	2	2	2	2	(CA)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	8
13	2	2	2	2	2	2	2	2	2	2	2	4	4	6	2	2	2	2	2	2	2	2	2	2	2	6
14	2	2	2	2	2	2	2	2	2	2	(CA)	(CA)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	(CA)	(CA)	(CA)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	0	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	1	2
18	0	0	0	0	0	0	0	0	0	2	0	2	2	(MT)	(MT)	4	4	4	4	4	4	4	4	4	2	4
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	2	2	2	2	2	2	2	2	2	2	8	2	2	2	2	2	2	2	2	2	2	2	2	2	8
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	(MT)	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	2	2	2	2	2	1	2
30	2	2	2	2	2	2	0	0	0	2	2	2	2	4	8	2	4	2	2	2	2	2	2	2	2	8
31	2	2	2	2	2	2	2	4	2	2	2	2	2	4	4	2	2	2	2	2	0	0	0	0	2	4
AV	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	1	1	1	1	
PK	2	2	2	2	2	2	2	4	2	4	2	8	4	23	15	11	8	6	6	6	8	4	4	4		23

(05/22/79-RP1)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	4	0	0	0	0	0	0	0	0	0	0	0	11	9	0	0	0	0	0	0	0	0	1	11
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14	4	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4
15	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	17	0	0	0	0	0	0	1	17
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2
17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	4
19	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	(MT)	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
PK	4	0	4	0	0	0	0	2	2	0	0	2	0	0	11	9	4	17	2	0	0	0	2	0		17

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(PF)	(PF)	0	0
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	21	13	9	6	4	4	4	2	2	0	0	( )	21
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
13	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	(CA)	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	(MT)	(MT)	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	(MT)	2	0	0	0	0	0	0	0	0	0	0	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
31	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	2	0	0	0	2	0	21	13	9	6	4	4	4	6	2	0	0		21

OZONE
(UG/M3)

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	29	29	35	33	35	29	29	33	25	27	29	29	35	35	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	31	35
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	35	25	25	25	25	25	35	35	29	29	29	35	29	30	35
5	33	29	35	29	29	27	29	35	35	45	39	39	45	35	33	35	37	25	35	37	25	25	24	24	33	45
6	20	10	10	14	12	10	10	14	(CA)	10	45	45	47	49	45	47	47	41	41	35	39	35	29	25	30	49
7	25	31	24	25	25	39	49	51	51	53	59	59	55	57	59	57	49	39	59	55	47	47	45	41	46	59
8	45	24	29	20	20	18	10	12	18	31	35	45	59	78	45	59	69	69	67	71	67	74	76	74	46	73
9	74	76	78	78	78	78	59	59	65	55	47	47	55	61	65	73	71	67	73	74	74	65	67	67	67	78
10	71	74	69	59	65	63	65	67	74	73	74	78	76	74	69	65	67	69	73	69	71	71	78	76	70	78
11	76	69	67	59	59	55	55	59	73	74	76	( )	78	88	88	86	78	78	88	84	84	84	80	78	75	88
12	65	65	74	74	74	74	78	71	78	84	86	88	86	96	102	106	98	88	80	88	88	69	74	74	82	106
13	76	76	67	69	74	74	69	78	82	78	82	73	78	82	98	92	88	78	69	78	82	82	69	69	78	98
14	69	65	65	69	59	63	45	45	49	49	53	82	82	92	102	108	98	102	112	96	92	92	102	98	79	112
15	94	94	98	88	94	88	92	82	84	88	88	88	88	98	98	98	92	88	82	84	88	98	92	88	91	98
16	78	88	92	92	92	88	92	88	88	92	98	96	98	100	104	98	98	88	84	88	92	92	88	78	91	104
17	82	82	82	88	88	96	98	98	98	102	102	98	108	118	122	108	92	92	88	92	94	88	78	74	95	122
18	78	78	78	69	80	78	78	78	74	74	69	39	20	22	29	20	24	39	39	37	39	29	41	45	53	80
19	59	63	55	63	59	59	59	59	59	63	69	74	74	69	69	69	69	65	65	69	63	63	63	61	64	74
20	59	49	53	39	39	39	39	39	39	49	45	78	74	88	88	88	69	69	69	74	69	74	78	74	62	88
21	69	69	74	73	69	69	78	73	73	78	71	76	69	69	69	63	59	63	61	59	61	61	61	59	68	78
22	59	53	53	53	53	59	53	49	45	49	53	39	73	84	73	53	49	49	59	49	49	49	63	49	55	84
23	49	69	69	45	53	49	39	45	49	49	49	59	63	63	59	59	59	55	59	59	59	59	59	59	56	69
24	63	69	63	59	59	59	59	63	63	69	69	63	63	63	59	59	59	63	63	69	63	63	63	59	62	69
25	59	63	59	57	51	51	57	59	55	59	55	55	55	59	61	59	55	49	53	53	59	49	57	59	56	63
26	69	59	57	59	53	49	53	59	59	49	51	59	59	69	69	65	69	63	69	69	69	69	69	69	62	69
27	65	63	69	71	73	74	69	63	73	92	94	78	88	88	98	98	96	102	108	102	108	94	78	82	84	108
28	88	76	74	74	71	71	73	74	78	71	39	69	108	127	129	147	131	131	127	112	123	118	118	108	97	147
29	98	112	88	92	88	84	88	98	112	108	127	127	157	151	151	151	167	180	192	147	127	98	88	84	122	192
30	88	84	78	80	78	73	73	69	67	59	63	73	78	78	82	82	73	59	69	59	59	65	59	59	71	88
31	59	59	59	59	59	53	59	73	92	94	59	61	69	69	73	76	76	74	84	69	65	59	69	49	67	94
AV	64	63	63	60	60	60	59	60	65	65	65	66	71	75	77	77	74	72	75	72	71	68	68	65	66	
PK	98	112	98	92	94	96	98	98	112	108	127	127	157	151	151	151	167	180	192	147	127	118	118	108		192

OZONE
(UG/M3)

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	67	67	67	67	67	67	67	67	67	(MT)	69	69	69	69	59	73	76	76	80	80	82	82	82	78	71	82
2	76	74	69	61	59	55	53	57	57	55	59	61	65	69	69	74	76	76	76	76	76	74	74	74	67	76
3	73	74	76	76	78	78	78	76	76	74	76	76	76	78	76	76	76	76	76	76	76	74	74	76	76	78
4	74	74	76	76	74	74	74	74	74	74	73	74	76	76	76	80	78	73	69	69	69	69	69	69	74	80
5	67	65	63	63	65	63	63	61	69	82	80	82	86	78	73	71	71	69	67	65	65	63	63	61	69	86
6	61	61	61	61	59	59	59	59	61	61	61	63	65	65	67	67	67	67	65	63	61	61	63	61	62	67
7	59	63	61	63	63	61	63	65	65	67	67	69	69	69	71	69	67	69	69	69	69	69	(PF)	(PF)	66	71
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	69	71	71	73	69	69	69	69	71	73	73	( )	73
9	74	74	74	74	74	74	74	74	74	74	74	76	76	76	76	76	74	73	73	73	73	73	65	73	74	76
10	71	71	73	74	74	73	67	71	73	73	71	59	65	71	74	76	74	71	76	78	78	80	80	82	73	92
11	80	82	82	80	82	80	82	82	82	84	86	(MT)	80	80	82	80	80	78	78	78	78	78	76	76	81	86
12	76	74	74	74	76	74	74	74	74	76	76	78	80	80	82	82	82	82	78	80	67	74	76	74	77	82
13	74	74	73	71	71	73	73	73	74	71	74	76	76	76	80	82	80	82	80	80	80	78	76	78	76	82
14	78	80	80	84	84	84	82	84	82	80	86	86	(MT)	(MT)	88	88	90	92	92	94	94	92	92	92	87	94
15	88	88	90	90	90	88	86	86	84	82	82	82	(MT)	82	82	82	84	84	82	82	80	78	78	76	84	90
16	76	76	73	69	67	67	69	69	67	69	71	76	76	80	82	82	80	80	78	78	80	80	80	82	75	82
17	80	80	80	80	78	76	73	69	71	69	71	69	67	65	63	65	65	65	65	65	63	61	61	59	69	80
18	59	59	57	55	53	49	47	47	45	47	47	49	55	59	59	59	55	61	61	63	59	59	65	67	56	67
19	69	69	69	69	69	69	71	74	76	78	82	82	84	86	86	86	88	86	84	82	82	80	80	78	78	88
20	76	67	69	71	69	69	67	65	65	67	69	74	78	78	78	76	76	76	74	76	78	78	76	76	73	78
21	76	76	76	76	76	76	76	76	76	74	78	80	80	78	80	80	82	82	80	80	80	78	78	78	78	82
22	78	78	78	78	76	76	76	76	76	74	78	80	78	80	82	82	82	82	82	82	80	80	80	80	79	82
23	78	78	76	74	76	76	76	78	76	78	80	82	84	84	82	84	84	82	84	86	84	86	86	84	81	86
24	86	82	84	80	80	80	82	82	84	82	84	82	82	84	86	88	86	84	84	84	80	80	78	78	83	88
25	78	78	76	78	76	76	76	74	71	76	76	78	78	80	78	73	78	78	78	78	80	80	78	78	77	80
26	76	78	78	76	76	71	76	78	76	73	73	74	76	76	76	63	76	78	76	76	76	76	76	76	76	78
27	76	76	78	78	78	78	78	78	76	76	76	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
28	78	76	74	74	71	69	69	69	69	71	73	76	76	(MT)	82	82	82	82	84	86	86	84	82	82	77	86
29	82	84	84	82	82	82	80	80	80	80	80	80	80	80	80	82	82	82	78	74	74	74	73	73	80	84
30	71	71	71	69	69	69	67	67	65	65	65	67	69	69	71	74	71	71	69	71	71	73	73	74	69	74
31	78	74	73	74	73	69	67	65	69	69	73	73	74	78	78	78	78	78	76	76	78	76	78	76	74	78
AV	75	74	74	73	73	72	72	72	72	73	74	74	75	76	77	77	77	77	76	77	76	76	76	76	75	
PK	88	88	90	90	90	88	86	86	84	84	86	86	86	86	88	88	90	92	92	94	94	92	92	92		94

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	100	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
2	0	0	0	0	0	0	0	0	0	100	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	100
3	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
4	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	100	100	0	0	0	0	(IM)	(IM)	0	100
5	(IM)	(IM)	0	0	0	0	100	100	100	200	0	0	0	0	100	200	200	200	0	0	0	0	0	0	100	200
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	100	0	100	200	100	0	100	0	0	0	0	0	100	0	0	0	0	0	0	0	200
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	100
12	0	0	0	0	0	0	0	100	0	100	100	100	0	0	0	0	100	100	100	100	100	0	100	100	0	100
13	100	100	0	0	0	100	0	100	0	0	100	100	0	0	0	0	100	100	100	100	100	0	0	0	0	100
14	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	100	100	100	0	100	0	0	0	100
15	100	100	100	100	100	100	100	100	100	100	100	0	100	0	0	0	0	0	0	0	0	0	100	100	0	100
16	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	100	100	100	100	100	100	100	0	0	100
17	0	0	0	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
18	0	0	0	0	0	0	100	100	100	100	100	200	200	200	200	100	100	100	100	0	0	0	100	100	100	200
19	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	100	100	0	100
20	100	100	100	100	100	200	100	100	100	100	100	0	0	0	0	0	0	0	100	100	100	100	100	100	100	200
21	0	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	100
22	100	100	0	0	0	0	0	100	100	100	200	100	0	0	0	0	0	100	100	100	100	100	100	100	0	200
23	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
24	0	0	0	0	0	0	0	100	100	100	0	0	0	100	0	0	100	100	0	100	100	100	0	0	0	100
25	0	100	100	100	100	100	0	100	100	100	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	100
26	0	100	100	100	100	100	0	100	100	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	100
27	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
28	0	0	0	0	0	0	0	0	0	100	300	0	0	0	0	0	0	0	0	100	100	0	0	0	0	300
29	0	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	100	100	100	100	100	0	100
30	100	100	100	100	100	100	100	100	100	100	100	0	0	0	100	100	100	100	100	100	200	100	0	0	100	200
31	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	100
AV	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	100	100	100	100	100	200	100	100	200	200	300	200	200	200	200	200	200	200	100	100	200	100	100	100		300

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	100	0	0	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	100
2	0	0	0	0	100	0	100	0	100	100	100	100	100	100	100	0	100	0	0	0	0	0	0	0	0	100
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	100	100	100	100	100	0	100
4	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	100	300	100	0	100	100	100	0	0	0	300
5	0	100	100	100	100	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	100
6	0	100	100	100	100	100	100	100	100	100	100	100	200	100	100	100	100	0	0	0	0	0	0	0	100	200
7	0	100	100	100	100	100	100	200	300	0	0	0	0	0	0	0	0	0	0	0	0	0	(PF)	(PF)	100	300
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	0	0	0	0	0	0	0	0	100	100	100	( )	100
9	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	100	100
10	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	100
11	0	100	100	100	100	100	100	100	100	300	200	100	100	100	200	100	0	0	0	0	0	0	0	0	100	300
12	0	0	0	0	0	100	100	100	100	100	200	200	100	0	0	0	0	0	0	0	0	0	0	0	0	200
13	0	100	100	100	100	0	0	0	0	0	0	100	300	0	0	0	0	0	0	0	0	0	0	0	0	300
14	0	100	100	100	0	0	0	0	0	100	100	300	500	100	(CA)	100	100	0	0	0	0	0	0	0	100	500
15	0	0	0	0	0	0	0	0	100	200	300	300	500	0	0	100	(CA)	100	0	0	0	0	0	0	100	500
16	0	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	100
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	100	100	100	0	0	0	100	200	300	200	100	100	100	100	0	0	0	100	300
19	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	100	100	100	100	100	100	100	100	0	0	100
20	0	500	500	500	500	0	100	100	100	100	100	100	100	100	300	200	100	100	100	100	100	0	0	0	100	500
21	0	100	100	100	100	0	0	0	0	0	0	0	0	100	200	0	0	0	0	0	0	0	0	0	0	200
22	100	0	0	0	100	100	100	100	100	300	200	100	100	100	100	100	100	100	0	0	0	0	0	0	100	300
23	0	100	100	100	100	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	100
24	0	100	100	0	0	100	100	100	100	100	100	100	100	0	0	0	100	100	0	0	0	0	0	0	0	100
25	0	0	100	100	100	0	0	0	100	100	100	0	0	100	0	0	100	100	100	100	100	0	0	0	0	100
26	0	0	0	0	0	0	0	0	0	0	0	100	0	0	100	100	100	100	100	100	100	0	0	0	0	100
27	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	100	100	100	0	0	100
28	0	0	0	100	100	100	100	100	100	100	100	100	0	(MT)	200	200	100	100	100	100	100	100	100	100	100	200
29	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	100
30	100	0	0	100	0	100	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	100
31	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100	0	0	100	100	100	100	100	100
AV	0	0	0	0	0	0	0	0	100	100	100	100	100	0	100	100	100	0	0	0	0	0	0	0	0	
PK	100	500	500	500	500	100	100	200	300	300	300	300	500	100	300	300	300	100	100	100	100	100	100	100		500

SULFUR DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(PF)	(PF)	0	0
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	( )	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	(CA)	(CA)	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	(CA)	(CA)	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

HYDROGEN SULFIDE
(UG/M3)

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(PF)	(PF)	0	0
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	( )	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	(CA)	(CA)	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	(CA)	0	0	0	(CA)	(CA)	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	(MT)	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

(05/22/79-RPI)

PARTICULATE DATA 24-HOUR AVERAGE (UG/M3)
CB-TRACT
OCCIDENTAL OIL SHALE INC.

MO	DY	YR	TRL20	TRL23	TRL42	TRL56
12	1	78	4.8	2.5	0.6	3.2
12	4	78	3.0	4.0	( )	6.6
12	7	78	0.9	2.8	1.5	3.7
12	11	78	2.3	3.0	2.7	1.9
12	13	78	10.3	8.0	5.6	8.5
12	16	78	13.5	3.0	( )	6.6
12	19	78	3.0	7.3	0.7	3.7
12	22	78	7.1	2.7	( )	2.4
12	28	78	13.5	7.3	( )	8.6
12	31	78	11.2	5.9	5.0	5.4
		AV	7.0	4.7	2.7	5.1
		GM	5.2	4.2	1.9	4.5
		PK	13.5	8.0	5.6	8.6

WIND SPEED @10M
METERS/SEC

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	2	3	3	3	2	4	3	4	1	2	1	1	2	2	2	3	2	1	2	4	4	4	4	3	4
2	4	4	4	3	3	3	3	3	3	3	4	4	3	4	4	3	3	1	1	2	1	1	2	2	3	4
3	2	2	2	4	3	4	4	4	3	4	4	3	1	1	1	1	1	1	1	3	2	2	2	3	2	4
4	4	3	4	4	4	4	4	4	5	6	5	4	3	4	4	4	4	3	4	4	3	2	3	3	4	6
5	3	4	3	3	2	2	2	3	2	3	4	3	1	3	4	4	4	4	4	4	3	3	4	4	3	4
6	4	3	1	1	0	1	0	1	1	1	1	4	4	3	3	3	3	1	1	1	2	2	1	1	2	4
7	2	1	(CM)	(CM)	1	1	1	1	2	1	3	4	4	4	2	3	1	1	1	1	1	1	2	2	2	4
8	2	2	2	4	4	4	4	5	4	3	0	1	1	1	2	1	2	4	4	3	3	2	3	3	3	5
9	4	4	4	4	4	3	3	4	4	4	4	1	2	1	2	2	1	1	1	1	1	2	1	1	3	4
10	2	4	2	2	1	0	2	3	3	1	3	2	1	1	1	2	1	2	2	2	2	2	2	2	2	4
11	4	1	1	1	0	0	(RF)	1	1	2	(RF)	( )	( )	2	1	2	3	3	4	4	5	5	5	3	2	5
12	2	1	1	2	1	3	3	2	2	3	2	3	3	3	2	1	2	1	2	2	2	1	2	3	2	3
13	3	2	2	2	2	2	3	3	3	4	2	1	3	2	2	1	1	1	2	1	3	2	2	1	2	4
14	1	0	1	0	0	1	1	0	0	1	0	0	4	3	3	1	1	2	2	2	2	2	5	5	2	5
15	3	4	3	5	6	6	6	4	4	5	3	3	2	3	2	2	3	1	1	2	2	2	1	2	3	6
16	0	0	0	1	2	2	2	2	3	4	3	2	1	2	3	2	1	(CM)	0	2	2	1	1	1	2	4
17	1	0	0	0	1	1	1	1	0	2	1	3	4	3	1	2	2	5	4	4	2	2	3	3	2	5
18	4	3	2	2	3	3	4	3	3	4	3	3	3	1	1	0	2	4	2	1	0	1	0	1	2	4
19	2	1	1	2	3	2	2	3	2	2	3	3	4	4	4	4	2	2	1	1	1	0	1	1	2	4
20	1	0	1	0	1	1	1	1	3	2	1	0	0	1	2	2	3	1	1	1	1	1	2	1	1	3
21	1	1	4	4	2	4	3	2	4	2	2	1	3	3	3	2	2	2	2	1	2	4	2	1	2	4
22	2	1	1	1	1	1	1	1	1	2	2	3	3	2	3	2	3	2	3	3	2	1	2	1	2	3
23	1	1	1	1	1	1	0	4	4	3	1	0	2	3	4	2	1	1	3	3	1	1	1	1	2	4
24	2	1	2	1	1	3	2	3	2	2	2	3	4	3	4	3	1	1	1	1	1	1	2	2	2	4
25	1	1	1	1	2	2	2	1	3	3	3	1	1	1	1	3	1	1	1	1	1	2	2	2	2	3
26	2	2	1	2	2	0	2	4	5	2	1	1	1	1	3	1	1	1	1	2	1	4	6	6	2	6
27	3	3	3	5	5	2	5	2	4	2	1	1	2	2	2	2	2	2	1	1	3	3	4	3	3	5
28	2	1	2	1	4	3	1	1	2	4	4	4	5	5	5	4	4	2	2	3	2	2	1	1	3	5
29	1	1	3	2	1	1	2	1	2	3	4	4	3	4	4	3	3	2	4	4	4	4	3	2	3	4
30	2	2	1	3	2	1	1	1	0	0	(CM)	0	2	2	2	1	0	1	0	(CM)	0	1	1	2	1	3
31	1	1	1	1	2	0	1	2	4	2	1	1	1	1	2	2	2	2	0	1	1	1	1	1	1	4
AV	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	
PK	4	4	4	5	6	6	6	5	5	6	5	4	5	5	5	4	4	5	4	4	5	5	6	6		6

(05/22/79-RPI)

WIND SPEED @ 10M
METERS/SEC

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	6	5	10	8	7	8	7	6	7	7	6	5	5	7	3	3	3	3	2	3	5	5	5	4	6	10
2	4	4	5	6	5	5	5	5	5	5	4	5	6	5	4	4	4	4	3	1	1	1	1	2	4	6
3	2	1	0	0	1	1	1	1	1	1	2	1	2	1	1	1	5	4	5	5	5	3	2	2	2	5
4	5	4	5	4	2	2	4	3	7	8	5	8	9	12	11	10	7	11	10	14	15	13	10	14	8	15
5	15	18	17	14	13	12	8	5	5	4	4	5	5	5	6	6	6	5	4	4	4	4	4	4	7	18
6	4	3	2	2	1	2	2	2	2	2	3	4	4	3	3	2	3	2	1	2	2	2	2	2	2	4
7	2	2	2	2	2	3	3	2	1	2	2	3	3	3	4	4	4	3	2	2	2	2	(PF)	(PF)	2	4
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	2	1	1	2	2	1	3	4	2	1	1	2	2	2	4
9	1	2	2	2	3	2	3	4	2	1	1	1	2	4	4	4	3	1	2	2	1	2	2	2	2	4
10	2	2	1	3	1	2	2	2	2	1	2	2	2	3	(CM)	(CM)	(CM)	1	2	2	2	3	1	1	2	3
11	2	2	2	3	3	2	2	3	3	3	2	1	2	2	2	3	3	3	4	3	3	3	4	3	3	4
12	2	2	3	3	4	2	2	2	4	3	3	6	6	6	8	6	4	(CM)	2	3	3	3	(CM)	(CM)	4	8
13	(CM)	(CM)	(CM)	1	1	1	0	2	1	1	0	1	2	2	1	2	1	1	1	2	2	2	2	2	1	2
14	2	2	2	2	0	2	2	1	2	1	3	4	6	6	7	7	6	3	4	6	5	2	3	2	3	7
15	2	2	2	1	2	1	1	2	2	1	6	6	5	7	6	5	4	3	1	2	2	(CM)	(CM)	(CM)	3	7
16	(CM)	(CM)	1	1	1	1	(CM)	1	1	1	1	1	1	1	3	3	3	3	1	2	3	2	2	4	2	4
17	4	3	3	5	3	2	4	5	4	2	6	6	2	1	2	2	3	4	7	7	8	7	7	8	4	8
18	8	5	5	3	4	2	4	8	8	11	3	4	3	5	4	1	3	6	4	7	3	1	5	7	5	11
19	8	7	6	11	10	8	8	10	8	6	8	10	8	8	9	10	9	9	7	6	5	3	2	1	7	11
20	1	1	2	2	2	2	3	1	0	1	1	1	1	3	3	3	4	4	4	2	2	4	4	3	2	4
21	2	1	2	1	1	1	1	1	2	1	4	5	4	4	5	4	5	5	3	3	2	2	2	3	3	5
22	1	1	2	1	1	3	2	2	2	2	4	5	4	6	5	5	5	5	5	7	8	7	6	5	4	8
23	4	6	5	1	1	3	4	6	6	3	3	5	4	4	4	3	0	3	3	3	2	4	4	3	4	6
24	4	4	4	3	3	4	2	1	4	5	5	6	6	6	7	8	8	8	7	8	5	6	3	2	5	8
25	5	3	2	3	2	2	2	2	1	1	1	1	1	1	2	3	2	1	1	1	2	1	2	1	2	5
26	2	1	2	2	1	1	1	1	2	1	1	2	1	3	3	1	2	3	2	3	3	3	3	2	2	3
27	3	2	2	2	2	2	2	3	2	4	8	6	9	8	8	5	4	7	9	9	8	6	4	5	5	9
28	8	6	4	9	12	10	8	7	2	6	8	8	9	11	9	8	9	8	9	8	6	6	7	5	8	12
29	7	6	6	6	7	7	7	8	10	8	8	7	7	8	10	8	7	5	4	3	3	3	2	1	6	10
30	2	2	1	2	2	1	1	(CM)	0	0	0	0	1	1	1	(CM)	0	1	1	2	1	1	1	1	1	2
31	(CM)	1	0	1	1	0	0	1	2	0	1	1	0	1	2	2	2	2	2	2	1	1	1	2	1	2
AV	4	4	4	3	3	3	3	3	3	3	3	4	4	4	5	4	4	4	4	4	4	3	3	3	4	
PK	15	13	17	14	13	12	8	10	10	11	8	10	9	12	11	10	9	11	10	14	15	13	10	14		18

II B-502

(05/22/79-RPI)

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	7	6	11	8	7	10	7	7	7	6	6	6	5	6	3	3	3	3	2	3	4	5	4	4	6	11
2	4	4	5	6	6	5	5	5	5	5	5	5	5	5	4	4	3	5	3	2	1	1	0	0	4	6
3	1	1	1	1	0	1	1	1	1	2	1	1	1	1	0	2	4	5	6	6	4	3	3	2	2	6
4	5	4	5	4	2	2	4	3	7	8	5	8	9	10	11	8	6	10	11	14	13	12	12	14	3	14
5	17	17	16	14	13	13	11	5	3	3	2	4	2	4	4	4	4	3	2	2	2	1	1	2	6	17
6	1	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	1
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(PF)	(PF)	( )	( )
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
12	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	7	5	7	8	4	4	3	3	4	4	( )	8
22	2	2	2	2	3	6	4	4	4	4	6	8	7	7	8	8	7	7	8	10	10	10	8	8	6	10
23	7	10	6	2	2	4	6	7	8	7	5	5	6	7	5	5	1	4	5	5	4	7	6	4	5	10
24	6	5	5	3	4	6	4	3	6	7	8	7	8	8	9	10	10	10	9	11	8	8	4	4	7	11
25	8	5	3	5	3	4	3	2	2	1	1	2	2	2	3	5	3	2	3	2	3	1	2	2	3	8
26	1	1	3	1	2	2	2	2	3	2	1	2	2	4	4	2	4	4	4	4	4	4	5	4	3	5
27	4	3	4	3	3	3	3	4	3	5	10	8	13	12	12	7	8	11	12	13	11	8	8	8	7	13
28	11	8	6	13	17	13	12	10	10	10	11	11	13	14	13	13	13	12	13	10	11	9	9	8	11	17
29	11	8	9	9	9	10	11	12	13	13	12	11	10	10	12	12	10	7	4	4	4	1	2	0	8	13
30	1	0	0	1	1	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	1
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	6	5	5	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	17	17	16	14	17	13	12	12	13	13	12	11	13	14	13	13	13	12	13	14	13	12	12	14		17

II B-503

(05/22/79-RPI)

WIND SPEED @ 60M
METERS/SEC

CR-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(PF)	(PF)	( )	( )
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
12	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	6	7	7	5	7	7	10	10	8	8	8	( )	10
23	7	9	6	1	2	4	6	6	6	5	4	5	5	5	4	4	1	3	4	5	4	6	5	4	5	9
24	6	5	5	3	4	5	4	4	7	6	7	7	7	7	8	8	0	10	8	10	8	8	4	5	6	10
25	8	5	3	6	3	4	4	2	2	1	1	1	1	2	3	3	3	1	3	3	3	1	2	1	3	8
26	1	0	1	1	1	1	1	2	2	1	1	1	1	3	3	1	3	4	4	3	4	3	4	3	2	4
27	4	2	4	3	3	2	2	3	2	5	11	6	12	10	10	5	7	11	11	12	10	7	8	8	6	12
28	9	7	6	12	14	13	12	10	10	8	8	8	12	13	12	12	12	11	12	11	8	8	9	9	10	14
29	9	8	8	8	9	9	10	12	12	11	10	8	8	8	11	11	9	6	3	4	4	3	2	1	8	12
30	2	2	2	3	2	1	2	0	0	1	0	0	0	1	0	(CM)	(CM)	1	1	1	1	1	1	1	1	3
31	(CM)	0	1	1	2	1	(CM)	1	2	1	1	1	0	1	2	1	3	3	2	2	1	1	1	2	1	3
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	9	8	8	12	14	13	12	12	12	11	11	8	12	13	12	12	12	11	12	12	10	8	9	9		14

II B-504

(05/22/79-RPT)

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD42 PERIOD(12/01/78 TO 12/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	6	6	6	3	3	4	3	3	3	3	3	3	3	2	2	2	2	3	4	4	4	4	4
2	4	4	4	4	5	4	4	4	4	9	5	5	5	5	4	4	3	1	1	1	1	1	1	1	3
3	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	9	3	2	2	2	2	2	3	2
4	3	3	3	3	3	3	3	4	4	4	4	6	10	10	8	6	6	5	6	10	10	7	6	11	6
5	12	10	11	10	10	8	5	4	3	3	4	4	3	4	5	5	5	5	4	4	4	4	4	4	6
6	3	3	2	2	1	1	1	1	1	3	3	4	3	3	2	2	2	2	2	2	2	2	1	1	2
7	1	2	2	2	2	2	2	2	2	3	3	3	4	4	3	3	3	2	2	1	1	1	1	1	2
8	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2
9	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	2	2	2	2	2	2	2	1	1	3
10	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2
11	2	2	3	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	3	3	3	3	3	2	2
12	2	2	2	2	2	2	2	2	2	2	9	5	5	6	5	3	2	2	1	1	1	1	1	1	3
13	1	1	1	1	2	2	3	1	1	1	0	2	2	2	2	1	2	1	1	2	3	1	1	2	1
14	1	1	1	1	0	2	2	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
15	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
16	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
17	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
18	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
19	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	7	7	13	9	7	6	6	5	4	3	3	2	2	2	5
20	1	1	1	2	3	2	2	2	1	1	1	2	2	2	3	4	3	3	2	2	3	3	2	2	2
21	2	2	3	2	2	2	2	2	3	3	3	5	5	5	5	4	3	2	2	2	2	2	2	2	3
22	2	2	2	2	2	2	3	2	2	2	5	5	5	6	6	6	4	4	3	4	7	7	6	4	4
23	2	2	1	2	2	4	9	4	3	3	4	9	4	5	4	3	2	3	3	2	2	2	2	2	3
24	2	2	3	3	3	3	2	1	1	3	6	6	6	6	7	7	7	7	8	7	2	2	3	3	4
25	3	2	2	2	2	2	2	2	1	1	1	2	2	3	3	3	2	2	2	2	2	2	3	2	2
26	2	2	2	2	2	2	2	3	2	1	1	1	1	1	1	1	3	3	3	3	2	3	3	2	2
27	2	2	2	2	2	2	2	2	2	2	5	5	5	5	4	3	3	3	4	7	7	4	3	4	3
28	3	3	3	9	9	7	6	6	8	7	7	8	10	10	9	8	8	9	8	8	6	5	5	5	7
29	6	5	5	2	2	4	7	7	9	9	8	7	8	9	8	7	5	4	5	4	4	3	2	2	5
30	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	0	1	2	1	2	2	0	1	1	1	2	2	3	3	2	2	1	1	0	0	0	1
MEAN	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	2	3	3

TOTAL NUMBER OF OBSERVATIONS = 621

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD56 PERIOD(12/01/78 TO 12/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
21	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
22	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
23	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
24	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
25	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
26	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
27	OE	OE	OE	OE	OE	OE	OE	OE	OE	2	2	3	3	2	2	2	2	2	2	2	3	3	3	2	2
28	2	2	2	4	4	3	2	2	3	4	4	5	6	6	6	5	4	3	3	3	2	2	3	2	3
29	1	1	1	1	1	1	1	2	4	5	5	5	5	5	5	3	3	2	2	2	2	1	1	1	3
30	1	1	1	1	0	1	0	0	1	0	0	0	2	3	2	0	2	2	0	3	1	0	2	1	1
31	1	1	1	2	1	1	2	3	3	1	1	2	1	1	1	1	1	2	2	1	2	1	1	2	1
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 111

WIND DIRECTION @10M
DEGREES

C8-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	160	130	105	135	110	95	70	75	80	120	108	155	110	230	300	275	275	290	310	290	285	280	285	280	163
2	280	280	280	310	325	(IM)	(IM)	(IM)	(IM)	(IM)	310	305	315	280	285	325	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	300	300	305	105	125	90	105	105	115	90	75	83	88
4	80	85	90	95	88	85	85	90	95	100	95	95	135	160	150	120	150	135	110	120	192	165	135	125	115
5	210	15	210	225	190	225	295	290	310	278	275	285	295	300	285	285	280	280	275	270	270	270	275	275	272
6	270	258	330	90	87	100	115	120	110	325	280	280	275	280	275	290	275	280	325	30	100	110	105	110	323
7	105	105	90	60	95	45	300	35	105	85	285	280	275	275	320	310	315	312	25	95	105	100	95	100	47
8	95	105	105	140	150	135	135	135	140	135	295	110	115	100	90	135	125	135	130	130	135	90	80	85	119
9	90	105	90	90	85	90	95	105	110	105	105	130	170	120	135	120	120	110	100	95	105	300	300	100	106
10	100	320	60	300	90	30	310	290	290	295	290	300	275	335	90	100	100	105	115	95	90	115	115	110	51
11	135	300	15	310	45	30	80	30	295	280	100	( )	90	105	130	125	130	135	130	135	135	135	130	135	103
12	(VA)	(VA)	105	95	90	105	120	110	105	135	135	170	135	150	180	175	97	85	105	97	118	100	105	100	118
13	95	98	98	105	100	98	122	135	130	138	97	305	308	300	287	300	310	103	98	95	98	105	308	105	96
14	290	90	308	100	28	84	118	60	68	325	28	90	183	190	195	129	115	105	108	100	100	105	135	128	102
15	133	135	128	128	128	135	133	130	130	135	105	137	300	195	185	295	306	80	100	100	100	98	130	97	126
16	85	100	95	105	105	105	100	108	120	137	150	113	315	298	298	300	305	68	125	105	95	308	313	305	89
17	300	83	80	357	300	304	330	100	90	323	120	300	285	283	40	105	140	90	100	107	95	80	80	88	59
18	60	75	98	135	112	90	103	88	68	60	105	118	90	107	260	70	120	87	96	83	97	107	90	150	97
19	255	240	140	236	243	236	258	242	287	236	238	210	236	245	242	215	225	237	33	100	100	105	105	326	230
20	345	73	284	110	353	45	300	116	125	120	123	315	333	210	273	170	138	98	103	80	75	(VA)	85	100	88
21	90	90	138	145	123	140	135	135	135	108	110	288	180	165	190	163	115	85	90	113	110	133	120	95	127
22	100	90	90	120	95	90	95	90	95	100	105	170	190	195	175	175	120	103	110	88	95	105	150	135	119
23	38	50	75	97	90	128	100	322	350	283	283	5	342	330	305	15	60	113	105	137	95	95	108	105	59
24	105	96	105	95	118	120	115	120	137	100	105	178	183	180	178	170	105	95	68	140	85	98	90	95	118
25	95	105	108	105	108	110	103	104	133	135	135	105	298	305	278	283	288	100	90	127	98	115	105	119	110
26	115	103	96	100	100	48	108	135	(IM)	300	288	285	288	300	295	310	300	108	117	133	105	140	125	133	107
27	117	108	125	130	125	110	130	93	133	117	150	170	178	175	170	120	113	85	30	85	153	125	90	87	122
28	85	70	95	175	198	180	93	195	138	168	180	213	225	223	210	213	198	207	205	165	163	108	90	93	167
29	104	120	300	300	320	108	115	245	180	195	195	185	193	225	220	228	235	235	273	298	280	273	285	285	235
30	280	325	320	280	278	310	0	68	358	345	88	95	283	298	303	315	55	115	35	40	87	80	105	103	7
31	100	95	95	303	300	60	125	130	108	133	110	310	117	135	280	285	275	320	105	105	103	103	103	103	102
PV	100	89	92	111	98	96	102	106	109	125	128	198	243	233	244	207	145	106	94	104	109	109	103	105	104

(05/22/79-RPI)

WIND DIRECTION @ 10M
DEGREES

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	200	195	210	210	195	195	190	185	200	210	205	190	212	225	320	280	285	340	360	310	320	315	312	314	242
2	317	312	325	345	328	315	335	342	340	343	333	344	323	313	317	320	330	342	330	305	285	242	310	223	320
3	215	178	(VA)	(VA)	50	175	182	165	125	85	60	25	355	25	28	(VA)	213	200	205	205	207	180	177	153	160
4	175	175	180	175	195	140	175	130	160	175	190	195	200	195	195	190	190	212	210	225	215	210	205	220	189
5	210	215	220	220	215	225	235	300	345	355	320	325	360	345	330	320	325	310	313	310	310	305	300	310	297
6	300	295	280	270	272	260	280	298	300	300	310	315	315	310	315	310	297	282	285	315	310	300	320	310	298
7	315	395	295	310	305	335	330	300	260	310	330	310	315	340	350	345	310	290	260	265	250	240	(FF)	(PF)	307
8	(PF)	(PF)	(PF)	(FF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	80	60	55	80	80	130	200	205	(VA)	(CM)	95	(VA)	100	( )
9	135	150	160	110	145	140	165	150	105	55	50	350	215	195	200	210	210	120	120	120	120	165	315	120	143
10	95	125	115	180	55	135	(VA)	(VA)	120	150	40	(VA)	(VA)	290	285	295	305	225	135	225	175	180	(VA)	75	150
11	135	(VA)	130	125	110	105	115	115	130	110	75	355	(VA)	(VA)	155	150	145	80	70	85	85	165	115	105	112
12	(VA)	(VA)	(VA)	20	(VA)	(VA)	90	60	120	180	195	205	215	205	200	205	265	250	(VA)	220	300	230	245	240	214
13	(VA)	215	285	105	275	85	280	300	310	55	355	10	350	355	350	345	310	230	110	210	160	110	(VA)	150	329
14	125	220	(VA)	180	(VA)	140	125	145	105	95	208	205	210	200	205	200	205	200	197	183	120	75	140	37	165
15	107	135	(VA)	80	205	75	115	120	110	75	215	205	220	225	210	215	220	205	280	210	240	305	257	283	196
16	5	70	210	225	(VA)	260	10	220	(VA)	85	18	30	30	60	160	163	155	150	170	160	130	125	110	150	127
17	180	150	150	185	125	130	175	170	160	115	170	185	(VA)	215	155	110	120	165	175	165	190	175	170	165	162
18	180	160	150	135	155	135	160	175	190	190	145	185	160	195	215	145	160	190	195	200	255	200	215	255	180
19	220	220	215	220	225	230	230	245	215	230	235	225	230	230	235	215	230	225	225	220	225	245	255	305	230
20	325	285	265	295	265	300	265	270	80	70	325	5	355	255	235	200	198	210	215	185	200	215	205	200	251
21	205	150	140	(VA)	125	(VA)	115	195	205	10	205	220	210	205	215	195	205	210	215	195	(VA)	155	155	215	133
22	(VA)	85	95	(VA)	210	210	205	210	205	220	210	215	205	215	195	205	195	205	185	210	205	205	205	220	201
23	205	210	220	90	15	305	300	315	345	305	40	5	5	340	360	25	(VA)	185	190	200	205	195	200	200	278
24	205	215	190	180	160	170	195	205	185	200	205	205	220	200	205	210	200	200	200	195	205	200	195	195	198
25	205	(VA)	210	205	(VA)	220	205	80	225	85	280	20	(VA)	295	290	330	340	265	195	230	210	90	245	100	234
26	230	(VA)	225	220	(VA)	(VA)	100	135	120	100	355	350	20	220	295	355	195	175	150	130	145	135	155	115	148
27	150	100	150	110	160	170	140	140	90	190	215	200	195	205	220	210	185	200	205	205	205	180	190	190	178
28	195	200	190	220	220	215	225	210	200	200	205	215	225	220	215	215	210	210	210	205	212	210	210	208	210
29	212	215	210	215	210	205	205	210	210	212	215	210	210	215	215	212	223	225	285	265	305	280	280	305	229
30	310	295	235	295	290	295	298	290	330	330	20	15	10	343	328	340	345	290	245	245	235	240	260	220	301
31	300	110	120	160	115	140	250	210	100	350	290	305	(VA)	35	340	325	290	260	260	240	305	270	245	255	270
PV	204	181	197	188	194	187	198	198	160	120	261	279	260	249	248	237	228	219	210	215	220	202	222	202	212

(05/22/79-RPI)

WIND DIRECTION @ 30M
DEGREES

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	225	227	240	240	225	230	225	220	225	230	225	215	225	245	345	300	295	10	20	325	345	335	335	335	266
2	335	335	350	5	350	345	360	360	360	5	355	360	345	340	335	340	345	5	355	350	5	15	35	265	352
3	260	215	185	235	170	190	155	190	148	145	135	115	35	65	55	(VA)	230	225	225	235	225	220	(VA)	200	189
4	195	195	195	205	225	160	205	180	200	200	210	220	225	225	215	220	215	240	235	245	245	240	230	240	215
5	275	240	250	245	242	250	260	325	15	5	345	350	20	10	350	340	340	330	340	330	335	325	320	335	320
6	325	315	295	295	298	290	310	315	320	325	325	340	330	330	328	326	305	310	285	335	345	320	335	340	313
7	335	318	320	345	330	355	350	330	310	325	350	330	330	325	360	13	5	240	315	297	295	290	(PF)	(PF)	328
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(IM)	(IM)	(IM)	(IM)	100	145	212	225	220	225	178	215	165	( )
9	195	190	180	170	193	185	190	185	160	125	123	(VA)	225	220	235	235	225	185	150	135	210	190	(VA)	(VA)	186
10	110	145	195	215	(VA)	(VA)	(VA)	(VA)	140	235	75	(VA)	205	320	305	300	360	210	110	160	175	195	197	125	181
11	130	180	155	165	175	145	160	150	180	145	120	25	(VA)	25	195	(VA)	165	115	125	130	115	180	180	135	147
12	140	(VA)	240	50	225	10	130	75	145	215	215	215	230	225	225	225	280	275	230	250	325	285	285	285	238
13	240	255	315	185	350	60	115	(VA)	10	360	255	25	360	10	355	355	325	205	125	175	170	170	(VA)	200	324
14	150	(VA)	240	215	250	190	170	180	155	145	235	235	235	230	235	235	230	220	220	223	203	(VA)	200	130	203
15	160	180	(VA)	190	225	210	195	190	200	170	240	230	245	250	235	240	242	235	265	200	285	320	295	355	229
16	75	92	120	255	(VA)	10	325	230	(VA)	125	75	85	117	80	170	190	175	175	130	160	160	160	150	175	139
17	220	208	190	210	160	160	155	190	180	155	185	205	(VA)	250	195	160	135	190	203	198	207	207	200	212	192
18	208	182	168	160	175	175	162	205	220	215	190	205	215	227	215	200	195	210	225	225	255	170	245	250	204
19	245	245	245	255	250	250	245	280	255	260	250	255	250	265	265	245	250	253	245	245	255	270	285	320	257
20	345	335	300	310	290	305	315	280	85	160	340	15	5	275	255	215	220	220	230	217	227	240	230	225	272
21	237	190	170	210	235	200	205	215	225	215	230	240	230	240	260	240	245	248	242	233	(VA)	190	260	253	227
22	250	235	135	250	240	253	247	245	250	215	205	227	210	215	208	215	202	215	195	215	210	210	210	222	221
23	215	210	230	195	330	315	305	325	360	320	25	10	13	345	355	30	70	180	195	200	210	197	206	211	280
24	223	230	195	190	205	190	198	208	205	210	212	212	222	203	210	210	203	213	205	208	207	207	210	203	208
25	210	205	200	215	208	208	187	92	210	80	260	25	27	270	290	328	340	315	157	207	207	50	230	83	224
26	135	(VA)	(VA)	(VA)	(VA)	335	110	153	150	90	90	355	25	227	288	335	208	192	183	165	165	164	182	170	160
27	165	140	135	147	147	132	145	153	120	198	225	207	205	215	225	210	215	212	220	220	220	190	197	195	186
28	200	210	215	225	225	225	228	215	213	205	210	225	225	210	225	227	223	225	220	220	220	215	223	220	219
29	220	225	225	215	222	225	225	215	220	220	220	215	223	230	220	227	235	235	300	280	295	290	290	310	239
30	320	305	290	300	300	300	310	310	327	245	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	285	280	280	268	295	297	263	282	( )
FV	213	219	216	222	234	230	211	218	200	198	222	261	259	262	258	253	241	229	222	224	236	227	237	228	227

II B-509

(05/22/79-RPT)

WIND DIRECTION @ 60M
DEGREES

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	205	207	225	223	223	213	210	205	220	210	215	208	217	235	238	295	295	7	18	310	330	327	325	318	249
2	327	325	330	352	340	327	350	345	351	349	347	345	335	320	325	328	340	350	348	350	350	343	328	305	338
3	255	233	180	243	223	206	174	157	170	160	145	103	354	28	18	180	209	210	212	215	210	200	208	203	197
4	190	195	190	197	193	180	190	193	190	190	208	208	210	204	195	198	210	223	227	227	223	217	215	225	204
5	225	220	230	223	217	225	230	315	352	357	336	333	8	352	340	337	325	320	330	328	315	310	308	317	307
6	313	313	289	285	298	298	305	314	317	308	313	320	315	315	314	306	305	293	287	315	330	320	325	325	309
7	320	314	310	330	317	345	340	325	315	320	325	320	325	308	345	352	350	332	315	300	305	288	300	(PF)	322
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	100	50	60	80	92	123	215	215	210	212	203	203	212	160
9	208	180	190	173	190	180	195	173	180	17	250	176	215	215	210	212	215	190	150	182	215	200	215	197	196
10	42	(VA)	205	212	250	(VA)	(VA)	(VA)	150	212	70	(VA)	(VA)	305	300	290	360	360	90	135	150	170	195	200	197
11	5	5	145	170	180	165	170	155	175	150	125	325	(VA)	(VA)	185	180	155	115	150	145	150	210	190	140	159
12	(VA)	(VA)	235	(VA)	215	(VA)	(VA)	25	150	180	200	210	220	213	212	212	255	280	(VA)	265	330	320	290	293	241
13	275	280	275	245	295	40	95	(VA)	300	260	260	355	343	350	335	335	340	160	110	183	145	175	285	215	287
14	230	240	225	210	240	180	180	195	165	195	215	210	215	210	215	215	210	210	210	210	225	225	195	140	207
15	170	208	230	220	220	185	200	195	215	223	225	215	230	230	210	215	220	225	195	225	290	310	315	10	223
16	50	65	70	335	60	15	355	(VA)	230	115	90	125	200	55	175	175	170	165	130	160	160	175	140	175	127
17	193	190	175	195	160	150	190	180	178	150	195	190	257	210	193	173	148	175	195	183	195	197	195	203	186
18	193	165	163	168	175	134	180	193	195	195	185	195	194	203	215	195	200	193	203	207	233	203	235	238	196
19	233	225	225	233	238	235	227	243	230	235	239	238	233	240	253	225	235	233	235	227	240	254	273	320	239
20	242	247	287	293	282	298	309	307	45	233	296	332	309	253	235	210	205	210	213	207	223	225	215	223	255
21	230	215	159	210	213	203	197	210	210	233	207	225	210	215	225	213	208	210	212	215	190	193	213	215	210
22	210	207	215	205	203	225	210	207	215	213	215	225	215	215	212	211	209	210	200	222	215	220	210	225	213
23	215	223	233	198	292	310	305	318	360	320	35	15	12	342	5	25	(VA)	178	195	210	208	200	213	214	273
24	222	228	198	228	207	193	200	213	210	210	212	215	220	210	212	212	207	210	210	208	210	210	211	212	211
25	223	214	197	210	213	220	215	210	180	210	265	17	(VA)	280	315	328	340	260	200	223	215	(VA)	235	57	234
26	110	(VA)	(VA)	(VA)	125	300	115	163	161	172	115	356	354	225	270	(VA)	212	197	215	182	190	180	183	167	179
27	179	170	190	197	200	187	180	170	135	198	223	210	207	213	225	220	215	215	215	212	222	200	197	198	200
28	198	209	220	227	230	227	223	220	215	210	215	225	230	230	225	230	225	225	220	225	225	225	230	225	222
29	225	225	230	225	230	225	230	230	225	225	225	220	225	230	230	235	240	235	305	285	300	305	290	305	244
30	325	315	295	310	300	300	305	285	285	250	55	63	50	332	317	(VA)	(VA)	342	313	283	265	293	285	250	307
31	330	198	140	130	95	105	(VA)	168	140	275	283	305	285	355	345	332	300	292	290	285	305	320	328	317	302
AV	232	226	216	224	225	222	215	217	203	219	227	246	257	258	252	236	234	228	218	225	233	234	241	233	229

(05/22/79-RPI)

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD42 PERIOD(12/01/78 TO 12/31/78)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	162	168	183	183	172	177	57	156	56	181	176	172	173	261	290	233	269	21	262	269	279	274	270	272	215
2	270	267	296	317	284	282	297	297	295	294	297	303	285	276	281	287	301	305	270	334	19	334	111	67	300
3	72	62	66	77	74	79	71	88	61	67	47	76	260	125	100	120	171	103	68	51	64	69	105	53	79
4	100	69	133	94	64	78	97	91	131	144	127	167	184	198	188	201	193	196	177	223	217	210	194	232	157
5	258	253	257	263	261	255	316	335	20	7	326	336	63	19	337	336	326	325	321	323	328	318	318	326	320
6	321	314	284	309	223	342	320	286	303	323	325	318	327	307	314	309	310	318	290	304	337	301	70	294	312
7	325	298	307	316	322	342	322	317	297	320	327	320	317	326	25	3	1	319	297	320	106	127	130	109	331
8	93	132	122	135	129	123	117	120	122	105	94	110	149	70	143	113	176	124	131	106	116	127	130	109	120
9	108	123	129	127	128	102	130	139	136	131	147	138	198	255	225	224	309	99	129	142	178	141	150	73	142
10	7	127	151	93	140	51	188	132	146	57	321	262	317	266	327	331	30	182	90	259	131	119	117	125	111
11	115	114	133	125	118	125	131	89	126	124	102	135	127	277	266	126	152	134	153	125	140	141	127	102	128
12	58	14	71	72	176	147	136	156	79	172	266	223	214	238	242	242	313	267	219	93	279	39	108	104	166
13	146	125	134	127	118	120	121	113	113	127	30	38	294	307	305	334	302	128	135	100	118	119	300	111	108
14	301	108	64	111	326	107	97	121	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
15	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
16	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
17	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
18	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
19	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	215	215	225	240	217	227	220	225	221	211	229	297	238	281	232
20	232	250	245	317	258	282	267	210	111	82	316	242	284	242	248	172	179	195	179	105	150	203	179	130	221
21	99	70	87	90	35	72	72	87	72	82	26	204	213	199	205	181	179	82	152	69	80	79	103	107	102
22	107	79	77	68	80	78	85	109	70	60	198	189	176	212	192	191	175	81	123	160	180	191	197	182	136
23	116	161	16	84	72	236	271	298	324	283	329	28	317	306	330	15	353	163	71	75	55	64	115	64	21
24	127	186	169	109	98	107	82	68	96	66	203	191	197	188	187	200	194	188	181	189	179	137	77	71	148
25	53	72	63	57	84	60	55	81	67	82	51	55	277	281	292	278	303	225	75	89	69	112	72	107	61
26	49	80	101	69	88	63	63	71	80	48	288	315	295	137	283	257	325	146	78	81	76	67	86	67	64
27	51	67	80	68	69	91	84	87	88	20	30	198	205	206	192	156	151	161	292	211	194	170	87	164	123
28	154	14	53	202	202	201	198	193	189	189	189	191	205	213	207	206	209	195	206	205	203	200	207	194	197
29	203	206	200	219	296	318	197	208	205	215	201	211	217	200	206	207	213	244	256	237	274	268	252	278	229
30	276	253	258	251	263	256	268	273	315	210	334	262	339	252	280	249	305	280	238	247	75	289	34	12	278
31	120	81	231	340	213	90	85	175	90	87	230	265	90	350	327	270	274	271	264	258	7	14	285	294	296
MEAN	94	107	120	92	123	93	96	122	88	93	309	220	239	250	256	233	255	189	188	169	127	132	128	100	143

TOTAL NUMBER OF OBSERVATIONS = 622

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD56 PERIOD(12/01/78 TO 12/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
21	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
22	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
23	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
24	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
25	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
26	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
27	OE	OE	OE	OE	OE	OE	OE	OE	OE	94	153	163	170	170	160	195	110	119	310	113	150	151	110	131	143
28	115	82	105	204	211	196	178	138	192	185	193	201	201	204	193	193	192	200	204	205	192	136	127	130	177
29	132	266	161	77	280	188	124	226	234	200	200	208	183	206	210	223	230	189	237	289	306	227	320	330	221
30	270	220	340	270	320	345	347	348	352	90	85	122	131	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	347
31	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	351	131	175	323	345	180	192	180	180	180	175	120	185	175
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 89

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER A820
DEC 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	160	130	105	135	110	95	70	75	80	120	108	155	110	230	300	275	275	290	310	290	285	230	285	280	206	0.1
2	280	280	290	310	325	***	***	***	***	***	310	305	315	280	285	325	***	***	***	***	***	***	***	***	****	****
3	***	***	***	***	***	***	***	***	***	***	***	***	300	300	305	105	125	90	105	105	115	90	75	83	92	1.1
4	80	85	90	95	88	85	85	90	95	100	95	95	135	160	150	120	150	135	110	120	192	165	135	125	111	3.4
5	210	15	210	225	190	225	295	290	310	278	275	285	295	300	295	285	280	280	275	270	270	270	275	275	274	2.7
6	270	258	330	90	67	100	115	120	110	325	280	280	275	280	275	290	275	280	325	30	100	110	105	110	280	0.7
7	105	105	90	60	95	45	300	35	105	85	285	280	275	275	320	310	315	312	25	95	105	100	95	100	328	0.5
8	95	105	105	140	150	135	135	135	140	135	295	110	115	100	90	135	125	135	130	130	135	90	80	85	123	2.4
9	90	105	90	90	85	90	95	105	110	105	105	130	170	120	135	120	120	110	100	95	105	300	300	100	101	2.1
10	100	320	60	300	90	30	310	290	290	295	290	300	275	335	90	100	100	105	115	95	90	115	115	110	42	0.3
11	135	300	15	310	45	30	80	30	295	280	100	***	90	105	130	125	130	135	130	135	135	135	130	135	129	1.9
12	***	***	105	95	90	105	120	110	105	135	135	170	135	150	180	175	97	85	105	97	118	100	105	100	121	1.9
13	95	98	98	105	100	98	122	135	130	138	97	305	308	300	287	300	310	103	98	95	98	105	308	105	103	1.0
14	290	90	308	100	28	84	118	60	68	325	28	90	183	190	195	129	115	105	108	100	100	105	135	128	131	1.1
15	133	135	128	128	128	135	133	130	130	135	105	137	300	195	185	295	306	80	100	100	100	98	130	97	130	2.4
16	85	100	95	105	105	105	100	108	120	137	150	113	315	293	298	300	305	68	125	105	95	308	313	305	107	0.5
17	300	83	80	357	300	304	330	100	90	323	120	300	285	283	40	105	140	90	100	107	95	80	80	88	72	0.7
18	60	75	98	135	112	90	103	88	68	60	105	118	90	107	260	70	120	87	96	83	97	107	90	150	93	2.0
19	255	240	140	236	243	236	258	242	287	236	238	210	236	245	242	215	225	237	33	100	100	105	105	326	235	1.6
20	345	73	284	110	353	45	300	116	125	120	123	315	333	210	273	170	138	98	103	80	75	***	85	100	108	0.6
21	90	90	138	145	123	140	135	135	135	108	110	288	180	165	190	163	115	85	90	113	110	133	120	95	133	2.0
22	100	90	90	120	95	90	95	90	95	100	105	170	190	195	175	175	120	103	110	88	95	105	150	135	123	1.5
23	38	50	75	97	90	128	100	322	350	283	283	5	342	330	305	15	60	113	105	137	95	95	108	105	18	0.6
24	105	96	105	95	118	120	115	120	137	100	105	178	183	180	178	170	105	95	68	140	85	98	90	95	131	1.7
25	95	105	108	105	108	110	103	104	133	135	135	105	298	305	278	283	288	100	90	127	93	115	105	119	116	1.0
26	115	103	96	100	100	48	108	135	***	300	288	285	288	300	295	310	300	103	117	133	105	140	125	133	123	1.2
27	117	108	125	130	125	110	130	93	133	117	150	170	178	175	170	120	113	85	30	85	153	125	90	87	121	2.3
28	65	70	95	175	198	180	93	195	138	168	180	213	225	223	210	213	198	207	205	165	163	108	90	93	186	2.1
29	104	120	300	300	320	108	115	245	180	195	195	185	193	225	220	228	235	235	273	298	280	273	285	285	241	1.7
30	280	325	320	280	278	310	0	68	358	345	88	95	283	298	303	315	55	115	35	40	87	80	105	103	319	0.5
31	100	95	95	303	300	60	125	130	108	133	110	310	117	135	280	285	275	320	105	105	103	103	103	103	104	0.3
VD	107	87	101	126	117	114	111	111	113	130	139	208	232	234	240	227	179	113	105	114	119	119	110	110	123	
VV	0.9	0.8	1.0	1.0	1.1	1.4	1.4	1.2	1.6	1.2	0.8	0.7	1.0	1.3	1.2	0.6	0.5	0.8	1.1	1.3	1.1	1.1	1.3	1.4		0.8

TOTAL NUMBER OF OBSERVATIONS = 706

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CR-TRACT
TRAILER AA23
DEC 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	200	195	210	210	195	195	190	185	200	210	205	190	212	225	320	280	285	340	360	310	320	315	312	314	222	3.7
2	317	312	325	345	328	315	335	342	340	343	333	344	323	313	317	320	330	342	330	305	285	242	310	223	327	3.9
3	215	178	***	***	50	175	182	165	125	85	60	25	355	25	28	***	213	200	205	205	207	180	177	153	190	1.4
4	175	175	180	175	195	140	175	130	160	175	190	195	200	195	195	190	190	212	210	225	215	210	205	220	199	7.6
5	210	215	220	220	215	225	235	300	345	355	320	325	360	345	330	320	325	310	313	310	310	305	300	310	264	4.5
6	300	295	280	270	272	260	280	298	300	300	310	315	315	310	315	310	297	282	285	315	310	300	320	310	301	2.3
7	315	395	295	310	305	335	330	300	260	310	330	310	315	340	350	345	310	290	260	265	250	240	***	***	313	2.1
8	***	***	***	***	***	***	***	***	***	***	***	80	60	55	80	80	130	200	205	***	***	95	***	100	****	****
9	135	150	160	110	145	140	165	150	105	55	50	350	215	195	200	210	210	120	120	120	120	165	315	120	158	1.5
10	95	125	115	180	55	135	***	***	120	150	40	***	***	290	285	295	305	225	135	225	175	180	***	75	148	1.0
11	135	***	130	125	110	105	115	115	130	110	75	355	***	***	155	150	145	80	70	85	85	165	115	105	112	2.3
12	***	***	***	20	***	***	90	60	120	180	195	205	215	205	200	205	265	250	***	220	300	230	245	240	206	2.7
13	***	215	285	105	275	85	280	300	310	55	355	10	350	355	350	345	310	230	110	210	160	110	***	150	345	0.2
14	125	220	***	180	***	140	125	145	105	95	208	205	210	200	205	200	205	200	197	183	120	75	140	87	183	2.7
15	107	135	***	80	205	75	115	120	110	75	215	205	220	225	210	215	220	205	280	210	240	305	257	283	201	2.2
16	5	70	210	225	***	260	10	220	***	85	18	30	30	60	160	163	155	150	170	160	130	125	110	150	147	1.3
17	180	150	150	185	125	130	175	170	160	115	170	185	***	215	155	110	120	165	175	165	190	175	170	185	168	4.3
18	180	160	150	135	155	135	160	175	190	190	145	185	160	195	215	145	160	190	195	200	255	200	215	255	185	4.1
19	220	220	215	220	225	230	230	245	215	230	235	225	230	230	235	215	230	225	225	220	225	245	255	305	228	7.3
20	325	285	245	295	265	300	265	270	80	70	325	5	355	255	235	200	198	210	215	165	200	215	205	200	234	1.6
21	205	150	150	***	125	***	115	195	205	10	205	220	210	205	215	195	205	210	215	195	***	155	155	215	200	2.5
22	***	85	95	***	210	210	205	210	205	220	210	215	205	215	195	205	195	205	185	210	205	205	205	220	205	4.0
23	205	210	210	90	15	305	300	315	345	305	40	5	5	340	360	25	***	185	190	200	205	195	200	200	282	1.1
24	205	215	190	180	160	170	195	205	185	200	205	205	220	200	205	210	200	200	200	195	205	200	195	195	200	4.8
25	205	***	210	205	***	220	205	80	225	85	280	20	***	295	290	330	340	265	195	230	210	90	245	100	233	0.8
26	230	***	215	220	***	***	100	135	120	100	355	350	20	220	295	355	195	175	130	130	145	135	155	115	158	1.0
27	150	100	110	110	160	170	140	140	90	190	215	200	195	205	220	210	185	200	205	205	205	130	190	190	193	4.5
28	185	200	190	220	220	215	225	210	200	200	205	215	225	220	215	215	210	210	210	205	212	210	210	208	212	7.6
29	212	215	210	215	210	205	205	210	210	212	215	210	210	215	215	212	223	225	285	265	305	230	280	305	219	5.7
30	310	295	285	295	290	295	298	290	330	330	20	15	10	343	328	340	345	290	245	245	235	240	260	220	289	0.9
31	300	110	120	160	115	140	250	210	100	350	290	305	***	35	340	325	290	260	260	240	305	270	245	255	274	0.6
VC	202	202	205	210	208	210	213	207	184	197	218	224	229	227	226	218	218	213	209	210	215	204	207	207	212	
VV	3.0	2.6	2.7	2.3	2.3	2.0	1.8	1.6	1.4	1.4	1.8	2.1	2.5	3.0	2.7	2.6	2.7	2.9	2.6	3.2	2.5	2.3	2.3	1.9		2.3

TOTAL NUMBER OF OBSERVATIONS = 673

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
30 METER LEVEL

CB-TRACT
TRAILER AA23
DEC 1978
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																							VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	225	227	240	240	225	230	225	220	225	230	225	215	225	245	345	300	295	10	20	325	345	335	335	335	248	3.9
2	335	335	350	5	350	345	360	360	360	5	355	360	345	340	335	340	345	5	355	350	5	15	35	265	352	4.0
3	260	215	185	235	170	190	155	190	148	145	135	115	35	65	55	***	230	225	225	235	225	220	***	200	214	1.6
4	195	195	195	205	225	160	205	180	200	200	210	220	225	225	215	220	215	240	235	245	245	240	230	240	224	7.4
5	235	240	250	245	242	250	260	325	15	5	345	350	20	10	350	340	340	330	340	330	335	325	320	335	271	4.2
6	325	315	295	295	298	290	310	315	320	325	325	340	330	330	328	326	305	310	285	335	345	320	335	340	****	****
7	335	318	320	345	330	355	350	330	310	325	350	330	330	325	360	13	5	240	315	297	295	290	***	***	****	****
8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	100	145	212	225	220	225	178	215	165	****	****
9	185	190	180	179	193	195	190	185	160	125	123	***	225	220	235	235	225	185	150	135	210	190	***	***	****	****
10	110	145	195	215	***	***	***	***	140	235	75	***	205	320	305	300	360	210	110	160	175	195	197	125	****	****
11	130	180	155	165	175	145	160	150	180	145	120	25	***	25	195	***	165	115	125	130	115	180	180	135	****	****
12	140	***	240	50	225	10	130	75	145	215	215	215	230	225	225	225	280	275	230	250	325	285	285	285	****	****
13	240	255	315	185	350	60	115	***	10	360	255	25	360	10	355	355	325	205	125	175	170	170	***	200	****	****
14	150	***	240	215	250	190	170	180	155	145	235	235	235	230	235	235	230	220	220	223	208	***	200	130	****	****
15	160	180	***	190	225	210	195	190	200	170	240	230	245	250	235	240	242	235	265	200	285	320	295	355	****	****
16	75	92	120	255	***	10	325	230	***	125	75	85	117	80	170	190	175	175	130	160	160	160	150	175	****	****
17	220	208	190	210	160	160	195	190	180	155	185	205	***	250	195	160	135	190	203	198	207	207	200	212	****	****
18	208	182	168	160	175	175	162	205	220	215	190	205	215	227	215	200	195	210	225	225	255	170	245	250	****	****
19	245	245	245	255	250	250	245	280	255	260	250	255	250	265	265	245	250	253	245	245	255	270	285	320	****	****
20	345	335	300	310	290	305	315	280	85	160	340	15	5	275	255	215	220	220	230	217	227	240	230	225	****	****
21	237	190	170	210	235	200	205	215	225	215	230	240	230	240	260	240	245	248	242	233	***	190	260	253	****	****
22	250	235	135	250	240	253	247	245	250	215	205	227	210	215	208	215	202	215	195	215	210	210	210	222	218	5.6
23	215	210	230	195	330	315	305	325	360	320	25	10	13	345	355	30	70	130	195	200	210	197	208	211	278	1.6
24	223	230	195	190	205	190	198	208	205	210	212	212	222	208	210	210	203	213	205	208	207	207	210	203	209	6.8
25	210	205	200	215	208	208	187	92	210	80	260	25	27	270	290	328	340	315	187	207	207	50	230	83	223	1.4
26	135	***	***	***	***	335	110	153	150	90	90	355	25	227	288	335	208	192	183	165	165	164	182	170	176	1.6
27	165	140	135	147	147	132	145	153	120	198	225	207	205	215	225	210	215	212	220	220	220	190	197	195	203	6.5
28	200	210	215	225	225	225	228	215	213	205	210	225	225	210	225	227	223	225	220	220	220	220	215	223	220	11.2
29	220	225	225	215	222	225	225	215	220	220	220	215	223	230	220	227	235	235	300	280	295	290	290	310	227	8.1
30	320	305	290	300	300	300	310	310	327	245	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	****
31	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	285	280	280	268	295	297	263	282	****	****
VD	220	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	
VV	4.9	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****

TOTAL NUMBER OF OBSERVATIONS = 325

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
60 METER LEVEL

CB-TRACT
TRAILER AA23
DEC 1978
OCCIDENTAL OIL SHALE, INC.

DAY	HOUR (LOCAL STANDARD TIME) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	VECTOR DIR	VEL
1	205	207	225	223	223	213	210	205	220	210	218	208	217	235	238	295	295	7	18	310	330	327	325	318	****	****
2	327	325	330	352	340	327	350	345	351	349	347	345	335	320	325	328	340	350	348	350	350	343	328	305	****	****
3	255	233	180	243	223	206	174	157	170	160	145	103	354	28	18	180	209	210	212	215	210	290	208	203	****	****
4	190	195	190	197	193	180	190	193	190	190	208	208	210	204	195	198	210	223	227	227	223	217	215	225	****	****
5	225	220	230	223	217	225	230	315	352	357	336	333	8	352	340	337	325	320	330	328	315	310	308	317	****	****
6	313	313	289	285	298	298	305	314	317	308	313	320	315	315	314	306	305	298	287	315	339	320	325	325	****	****
7	320	314	310	330	317	345	340	325	315	320	325	320	325	308	345	352	350	332	315	300	305	288	300	***	****	****
8	***	***	***	***	***	***	***	***	***	***	***	100	53	60	80	92	123	215	215	210	212	203	203	212	****	****
9	208	180	190	173	190	180	195	173	180	17	250	176	215	215	210	212	215	190	150	182	215	200	215	197	****	****
10	42	***	205	212	250	***	***	***	150	212	70	***	***	305	300	290	360	360	90	135	150	170	195	200	****	****
11	5	5	145	170	180	165	170	155	175	150	125	325	***	***	185	180	155	115	150	145	150	210	190	140	****	****
12	***	***	235	***	215	***	***	25	150	180	200	210	220	213	212	212	255	280	***	265	330	320	290	293	****	****
13	275	280	275	245	295	40	95	***	300	260	260	355	343	350	335	335	340	160	110	183	145	175	285	215	****	****
14	230	240	225	210	240	180	180	195	165	195	215	210	215	210	215	215	210	210	210	210	225	225	195	140	****	****
15	170	208	230	220	220	185	200	195	215	223	225	215	230	230	210	215	220	225	195	225	290	310	315	10	****	****
16	50	65	70	335	60	15	355	***	230	115	90	125	200	55	175	175	170	165	130	160	160	175	140	175	****	****
17	193	190	175	195	160	150	190	180	178	150	195	190	257	210	193	173	148	175	195	183	195	197	195	203	****	****
18	193	165	163	168	175	184	180	193	195	195	185	195	194	203	215	195	200	193	203	207	233	203	235	238	****	****
19	233	225	225	233	238	235	227	243	230	235	239	238	233	240	253	225	235	233	235	227	240	254	278	320	****	****
20	242	247	287	293	282	298	309	307	45	233	296	332	309	253	235	210	205	210	213	207	223	225	215	223	****	****
21	230	215	159	210	213	203	197	210	210	233	207	225	210	215	225	213	208	210	212	215	190	193	213	215	****	****
22	210	207	215	205	203	225	210	207	215	213	215	225	215	215	212	211	209	210	200	222	215	220	210	225	****	****
23	215	223	238	198	292	310	305	318	360	320	35	15	12	342	5	25	***	178	195	210	208	200	213	214	271	1.7
24	222	228	198	228	207	193	200	213	210	210	212	215	220	210	212	212	207	210	210	208	210	210	211	212	211	6.4
25	223	214	197	210	213	220	215	210	180	210	265	17	***	280	315	328	340	260	200	223	215	***	235	57	228	2.1
26	110	***	***	***	125	300	115	163	161	172	115	356	354	225	270	***	212	197	215	182	190	180	183	167	192	1.6
27	179	170	190	197	200	187	180	170	135	198	223	210	207	213	225	220	215	215	215	212	222	200	197	198	208	6.2
28	198	208	220	227	230	227	223	220	215	210	215	225	230	230	225	230	225	225	220	225	225	225	230	225	223	10.2
29	225	225	230	225	230	225	230	230	225	225	225	220	225	230	230	235	240	235	305	265	300	305	290	305	234	7.2
30	325	315	295	310	300	300	305	285	285	250	55	63	50	332	317	***	***	342	313	283	265	293	285	250	305	1.0
31	330	198	140	130	95	105	***	168	140	275	283	305	285	355	345	332	300	292	290	285	305	320	328	317	308	0.7
VD	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****		
VV	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****

TOTAL NUMBER OF OBSERVATIONS = 216

NOTE: **** = MISSING DATA

SIGMA HORIZ. WIND DIR. @ 10M
DEGREES

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	15	12	12	13	13	13	13	11	15	13	13	15	16	14	16	12	11	14	16	10	9	9	10	9	13	16
2	10	10	9	10	10	9	10	11	11	11	10	10	12	10	11	12	11	9	7	9	10	20	19	8	11	20
3	8	14	16	23	23	20	14	13	13	12	12	25	21	16	20	18	9	9	10	10	10	11	13	16	15	25
4	10	10	10	12	40	26	19	28	15	12	16	13	12	13	12	12	19	15	17	12	13	12	13	13	16	40
5	11	12	11	12	11	11	12	13	12	12	12	12	13	12	11	12	10	10	11	11	10	10	11	11	11	13
6	11	10	11	11	16	12	14	11	14	16	13	13	12	15	13	15	13	12	14	18	19	15	10	10	13	19
7	12	10	11	10	9	10	10	10	12	12	13	13	14	17	14	10	10	10	9	11	11	12	9	(PF)	11	17
8	(PF)	(PF)	(PF)	(FF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	17	19	16	17	15	11	12	10	32	40	51	38	21	23	51
9	26	17	27	19	15	15	13	15	24	14	14	19	27	12	12	12	11	9	7	7	7	15	19	14	15	27
10	17	13	16	10	14	13	14	15	11	17	14	20	13	11	10	11	14	10	9	10	13	11	28	12	14	23
11	12	11	13	9	10	10	11	10	14	13	15	18	19	20	29	32	17	13	14	14	13	29	23	19	16	32
12	22	31	33	20	21	30	18	18	25	17	25	15	13	13	12	11	12	9	10	7	10	10	9	8	17	33
13	14	16	15	18	14	24	13	15	26	12	10	11	10	15	12	10	8	17	17	10	16	23	18	13	15	26
14	15	17	17	10	(VA)	12	11	12	11	12	13	13	11	13	11	9	8	11	12	9	25	29	27	18	14	29
15	12	16	45	40	57	35	29	31	15	24	15	13	13	11	10	10	10	18	31	11	10	12	11	22	21	57
16	18	14	14	11	14	11	9	17	21	13	12	10	24	18	22	10	8	8	23	14	10	10	9	8	14	24
17	12	19	12	12	14	15	9	7	9	15	12	14	34	22	30	26	18	12	9	10	9	9	14	8	15	34
18	8	9	10	13	14	18	16	9	14	10	14	12	20	18	13	13	13	11	12	9	11	13	11	12	13	20
19	11	11	12	11	11	12	10	13	13	13	12	13	11	14	12	12	12	9	10	10	10	10	10	10	11	14
20	11	20	10	12	15	13	19	16	25	12	21	18	19	19	17	12	9	10	10	15	20	11	9	14	15	25
21	10	14	10	12	16	16	19	25	25	40	15	12	13	12	11	11	9	10	33	16	28	17	17	19	17	40
22	21	14	15	28	17	11	11	15	10	16	11	11	12	11	10	10	10	12	10	10	10	10	11	11	13	23
23	11	10	10	14	35	20	11	10	13	11	14	12	11	14	13	12	14	7	7	9	13	8	9	10	12	35
24	10	11	8	8	8	14	11	48	13	10	10	10	11	10	10	10	9	10	10	9	9	9	11	23	12	43
25	9	15	21	18	15	17	24	15	17	15	15	9	23	41	23	11	8	9	11	42	49	15	11	14	19	49
26	14	48	18	9	15	17	8	13	9	11	17	13	13	22	19	13	14	6	18	14	16	17	16	24	16	48
27	26	23	21	23	21	20	30	27	18	20	12	13	12	12	11	18	22	10	10	10	10	9	11	8	17	30
28	8	10	16	11	9	10	11	9	11	12	14	13	12	11	12	11	10	10	11	10	10	10	9	10	11	16
29	11	10	10	11	11	10	10	11	11	12	12	12	12	11	12	11	10	10	8	10	11	10	15	13	11	15
30	9	8	10	9	8	11	9	12	11	14	12	10	12	9	9	7	8	12	8	8	11	9	11	13	10	14
31	14	14	13	13	9	15	19	19	12	11	11	11	16	17	8	12	8	8	11	8	11	10	8	7	12	19
AV	13	15	15	14	17	16	14	16	15	14	14	14	15	15	14	13	11	11	13	12	15	14	14	13	14	
PK	26	48	45	40	57	35	30	48	26	40	25	25	34	41	30	32	22	18	33	42	49	51	38	24		57

(05/22/79-RPI)

SIGMA HORIZ. WIND DIR. @ 60M
DEGREES

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
2	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
3	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
4	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
5	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
6	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
7	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
8	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
9	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
10	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
11	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
12	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
13	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
14	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
15	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
16	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
17	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
18	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
19	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
20	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
21	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
22	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
23	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
24	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
25	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
26	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
27	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
28	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	9	9	9	9	9	7	8	8	8	7	8	( )	9
29	8	9	8	8	8	9	8	8	9	10	10	10	9	9	10	9	9	8	8	9	9	7	11	10	9	11
30	7	6	7	8	6	6	6	6	8	8	19	13	17	8	9	11	8	7	7	6	9	9	9	12	9	19
31	6	8	14	10	9	15	40	15	10	13	9	13	14	19	8	9	8	7	8	9	7	7	7	8	11	40
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	8	9	14	10	9	15	40	15	10	13	19	13	17	19	10	11	9	9	8	9	9	9	11	12		40

INSTRUMENT START-UP 12/28/78 @1400

(05/22/79-RPI)

TEMPERATURE
DEGREE C

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	6	6	6	6	6	6	6	6	6	6	6	6	7	7	4	2	2	2	2	1	1	1	0	0	4	7
2	0	0	0	-2	-3	-4	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-8	-9	-12	-15	-17	-19	-21	-8	0
3	-21	-22	-22	-21	-21	-20	-19	-17	-16	-14	-11	-8	-6	-6	-3	-4	-5	-7	-9	-7	-6	-6	-5	-4	-12	-3
4	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-1	1	2	2	2	2	2	3	3	4	4	4	4	4	0	4
5	4	4	5	5	5	4	4	3	1	1	0	-1	-1	-2	-4	-5	-6	-7	-8	-8	-9	-9	-10	-10	-2	5
6	-10	-10	-10	-10	-10	-11	-12	-11	-10	-10	-9	-9	-9	-8	-8	-8	-8	-9	-9	-11	-13	-14	-14	-14	-10	-8
7	-14	-14	-14	-14	-16	-17	-17	-19	-21	-18	-16	-16	-15	-14	-14	-14	-16	-17	-20	-23	-24	-24	-26	-27	-18	-14
8	-31	(OE)	(OE)	(OE)	(OE)	(OE)	-31	-26	-22	-17	-15	-13	-12	-13	-17	-20	-21	-20	-20	-19	-17	-14	-14	-13	-19	-12
9	-13	-12	-12	-12	-12	-11	-10	-9	-8	-5	-4	-3	-3	-4	-5	-6	-6	-7	-9	-9	-11	-11	-11	-9	-8	-3
10	-8	-8	-12	-11	-10	-10	-9	-9	-8	-6	-6	-4	-4	-4	-7	-10	-11	-14	-14	-14	-15	-16	-16	-16	-10	-4
11	-14	-20	-22	-23	-23	-23	-21	-14	-12	-3	( )	( )	3	4	4	2	1	-1	-2	-3	-4	-4	-4	-3	-8	4
12	-8	-12	-8	-9	-7	-6	-5	-8	-4	-1	3	5	5	6	6	2	-1	-3	-6	-8	-9	-11	-11	-13	-4	6
13	-14	-14	-15	-14	-15	-16	-16	-15	-14	-13	-9	-6	-5	-3	-2	-2	-3	-7	-8	-9	-11	-8	-14	-14	-10	-2
14	-14	-15	-16	-17	-18	-18	-18	-19	-18	-15	-9	-2	4	6	6	6	3	-1	-2	-3	-4	-4	-4	-5	-7	6
15	-6	-6	-7	-6	-6	-5	-4	-6	-6	-4	-1	2	2	4	6	2	1	-1	-4	-6	-7	-8	-11	-11	-4	6
16	-10	-12	-14	-15	-15	-16	-16	-17	-16	-12	-9	-6	-4	-3	-3	-3	-3	-6	-9	-11	-12	-14	-15	-16	-11	-3
17	-18	-19	-18	-18	-17	-16	-14	-11	-9	-8	-4	-6	-6	-5	-4	0	4	6	6	6	6	6	6	6	-5	6
18	6	6	5	5	6	7	7	7	7	7	7	6	6	7	7	7	5	6	5	4	5	4	4	4	6	7
19	4	5	5	5	6	4	4	4	2	2	3	3	3	3	3	3	1	0	-1	-2	-2	-2	-2	-2	2	6
20	-2	-6	-7	-7	-7	-6	-6	-9	-9	-7	-4	-2	-1	-1	-1	-1	-2	-2	-3	-3	-3	-3	-3	-3	-4	-1
21	-6	-7	-8	-9	-11	-11	-12	-12	-11	-8	-3	0	1	1	2	2	1	-1	-2	-3	-3	-4	-5	-6	-5	2
22	-7	-8	-8	-7	-6	-7	-7	-7	-7	-4	-1	2	2	3	2	1	1	-1	-1	-1	-2	-1	-1	0	-3	3
23	0	-1	-2	-3	-3	-2	-2	-2	-1	-1	-3	0	1	1	1	1	-1	-2	-3	-3	-2	-3	-2	-2	-1	1
24	-1	-1	-1	-3	-4	-4	-5	-4	-4	-1	2	2	3	3	3	3	2	1	1	0	0	-1	-2	-3	-1	3
25	-5	-5	-5	-6	-7	-7	-7	-8	-8	-5	-3	0	4	6	4	4	1	-2	-4	-6	-7	-8	-9	-9	-4	6
26	-11	-12	-12	-13	-14	-15	-14	-12	-11	-13	-9	-6	-4	-1	-1	-1	-1	-4	-5	-6	-7	-7	-7	-7	-9	-1
27	-8	-8	-8	-7	-7	-8	-6	-6	-6	-3	1	4	5	4	5	4	4	3	3	2	3	3	2	2	-1	5
28	2	2	1	2	2	1	1	1	2	2	3	4	4	4	4	4	3	2	2	2	2	1	-2	-3	2	4
29	-4	0	-4	-7	-9	-9	-9	-4	0	2	3	3	3	3	3	2	2	1	-4	-6	-7	-8	-8	-8	-3	3
30	-8	-10	-10	-10	-11	-11	-13	-13	-13	-12	-12	-9	-8	-8	-7	-7	-8	-12	-13	-13	-14	-16	-18	-21	-12	-7
31	-20	-18	-16	-19	-19	-18	-18	-17	-18	-18	-16	-12	-10	-8	-8	-9	-10	-13	-17	-18	-20	-20	-19	-23	-16	-8
AV	-8	-7	-8	-8	-8	-8	-9	-9	-8	-6	-4	-2	-1	-1	-1	-2	-2	-4	-5	-6	-7	-7	-8	-8	-6	
PK	6	6	6	6	6	7	7	7	7	7	7	6	7	7	7	7	5	6	6	6	6	6	6	6		7

(05/22/79-RPI)

TEMPERATURE @ 10M
DEGREE C

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	3	3	3	3	3	3	2	3	3	3	3	3	4	3	1	-1	-2	-2	-2	-2	-3	-3	-4	-4	1	4
2	-4	-4	-4	-6	-8	-9	-11	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-13	-13	-14	-15	-16	-17	-17	-11	-4
3	-17	-18	-18	-19	-18	-17	-17	-17	-16	-15	-13	-13	-8	-8	-8	-8	-9	-11	-11	-10	-9	-9	-9	-8	-13	-8
4	-8	-8	-8	-8	-7	-7	-7	-7	-6	-6	-3	-2	-2	-2	-1	-1	-1	0	0	1	1	1	1	1	-3	1
5	1	1	1	2	1	1	1	-1	-2	-4	-4	-5	-6	-7	-8	-10	-11	-12	-12	-13	-14	-14	-15	-15	-6	2
6	-15	-15	-15	-15	-15	-15	-15	-15	-15	-14	-14	-14	-14	-13	-13	-13	-13	-13	-13	-14	-15	-16	-16	-17	-14	-13
7	-17	-17	-18	-18	-19	-20	-21	-22	-23	-22	-21	-20	-20	-20	-19	-20	-21	-22	-23	-23	-23	-23	(PF)	(PF)	-21	-17
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	-23	-19	-18	-17	-17	-17	-19	-21	-21	-21	-20	-20	-19	( )	-17
9	-18	-18	-17	-17	-17	-16	-16	-15	-15	-14	-12	-10	-8	-8	-7	-7	-8	-9	-9	-9	-9	-10	-11	-9	-12	-7
10	-10	-9	-9	-9	-9	-9	-9	-9	-8	-7	-7	-8	-7	-8	-7	-7	-7	-8	-8	-9	-9	-9	-12	-9	-8	-7
11	-11	-11	-10	-11	-10	-10	-9	-8	-9	-5	-3	-1	1	2	1	1	-1	-2	-3	-4	-3	-2	-1	-1	-3	2
12	-1	-3	-3	-3	-2	-3	-3	-3	-3	0	2	2	2	3	3	2	0	-3	-4	-4	-6	-9	-8	-8	-2	3
13	-9	-9	-10	-11	-11	-11	-11	-12	-12	-11	-8	-6	-6	-4	-4	-4	-4	-6	-6	-6	-4	-2	-3	-2	-7	-2
14	-2	-2	-2	-2	-2	-2	-3	-3	-3	-2	1	2	3	3	2	2	1	-1	-2	-1	-2	-3	-3	-3	-1	3
15	-3	-3	-3	-4	-3	-3	-3	-3	-3	-1	1	2	2	2	2	1	-1	-2	-3	-3	-4	-5	-6	-7	-2	2
16	-7	-8	-8	-9	-11	-11	-12	-13	-13	-12	-9	-6	-3	-1	-1	-1	-3	-4	-5	-6	-5	-4	-4	-3	-7	-1
17	-2	-2	-2	-1	1	1	2	3	4	4	2	2	3	3	2	3	3	3	3	3	3	3	3	3	2	4
18	3	3	3	3	4	4	4	4	4	4	4	4	4	5	4	3	3	3	2	3	2	2	2	2	3	5
19	2	2	2	3	3	2	2	1	0	0	1	1	0	-1	-1	-2	-2	-3	-4	-4	-4	-4	-4	-4	-1	3
20	-6	-7	-8	-8	-9	-9	-11	-11	-11	-10	-7	-6	-6	-5	-5	-5	-6	-7	-7	-6	-6	-6	-6	-7	-7	-5
21	-8	-9	-9	-9	-9	-9	-10	-11	-9	-7	-4	-4	-3	-2	-2	-2	-3	-5	-6	-5	-6	-6	-6	-7	-6	-2
22	-7	-7	-7	-7	-6	-7	-7	-7	-6	-4	-3	-2	-1	-1	-2	-2	-3	-4	-4	-4	-4	-3	-3	-3	-4	-1
23	-4	-4	-4	-4	-4	-3	-3	-4	-5	-7	-6	-4	-3	-3	-3	-3	-4	-5	-6	-4	-4	-4	-4	-4	-4	-3
24	-4	-3	-4	-4	-5	-6	-7	-5	-4	-2	-1	-1	-1	-1	-1	-1	-2	-3	-3	-3	-3	-3	-4	-4	-3	-1
25	-3	-4	-4	-4	-5	-5	-4	-6	-4	-3	-1	0	1	1	1	0	-1	-2	-3	-5	-5	-6	-6	-6	-3	1
26	-7	-7	-9	-10	-10	-11	-10	-8	-8	-6	-4	-2	-2	0	0	-1	-1	-3	-5	-6	-5	-4	-4	-4	-5	0
27	-4	-6	-6	-4	-3	-3	-2	-2	-2	-1	1	1	1	1	1	1	0	0	0	0	-1	-2	-2	-2	-1	1
28	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	0	1	2	2	1	1	0	-1	-1	-1	-1	-2	-1	-2	-1	2
29	-2	-2	-2	-2	-3	-3	-3	-3	-3	-2	-1	-1	-2	-1	-1	-2	-2	-2	-8	-9	-11	-12	-13	-13	-4	-1
30	-13	-14	-14	-14	-16	-16	-16	-17	-17	-16	-16	-14	-13	-12	-11	-11	-11	-12	-13	-13	-14	-16	-16	-16	-14	-11
31	-17	-17	-16	-17	-18	-20	-20	-21	-22	-21	-18	-16	-15	-12	-12	-12	-14	-16	-17	-18	-19	-20	-21	-21	-18	-12
AV	-6	-7	-7	-7	-7	-7	-7	-8	-7	-6	-5	-5	-4	-4	-4	-4	-5	-6	-7	-7	-7	-7	-7	-7	-5	
PK	3	3	3	3	4	4	4	4	4	4	4	4	4	5	4	3	3	3	3	3	3	3	3	3		5

II B-520

(05/22/79-RPI)

TEMPERATUPE @ 30M
DEGREE C

CB-TRACT
TRAILER 23
DEC 1973
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	2	2	2	2	2	2	2	2	3	3	3	4	3	0	-2	-2	-2	-3	-3	-3	-4	-4	-4	0	4
2	-5	-5	-5	-7	-8	-10	-11	-12	-13	-13	-13	-13	-13	-13	-13	-13	-13	-14	-14	-14	-16	-16	-17	-17	-12	-5
3	-17	-18	-18	-18	-18	-17	-17	-17	-16	-14	-13	-11	-9	-9	-8	-8	-9	-11	-11	-10	-9	-9	-9	-9	-13	-3
4	-9	-9	-8	-8	-8	-8	-8	-7	-7	-6	-4	-3	-3	-3	-2	-2	-2	-1	-1	0	1	1	1	1	-4	1
5	1	1	1	1	1	1	1	-2	-3	-4	-5	-6	-7	-7	-9	-10	-12	-12	-13	-13	-14	-15	-15	-16	-7	1
6	-16	-16	-16	-16	-16	-16	-16	-16	-16	-15	-15	-14	-14	-14	-14	-13	-14	-14	-14	-15	-16	-16	-17	-17	-15	-13
7	-18	-18	-18	-19	-20	-21	-22	-23	-23	-23	-22	-21	-21	-21	-21	-21	-22	-23	-23	-23	-24	-24	(PF)	(PF)	-21	-18
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	-23	-19	-19	-18	-18	-18	-19	-20	-21	-21	-21	-20	-19	( )	-18
9	-19	-18	-18	-18	-18	-17	-17	-16	-16	-14	-13	-11	-9	-9	-9	-8	-9	-10	-10	-10	-9	-10	-11	-10	-13	-8
10	-10	-9	-9	-9	-9	-9	-9	-9	-8	-7	-7	-7	-7	-9	-8	-8	-8	-8	-8	-9	-9	-9	-11	-10	-9	-7
11	-10	-11	-9	-9	-8	-8	-8	-8	-8	-6	-3	-2	0	1	1	-1	-2	-3	-3	-3	-3	-2	-2	-1	-5	1
12	-1	-2	-2	-3	-3	-3	-3	-3	-3	-1	1	1	1	2	2	1	-1	-3	-4	-4	-6	-8	-9	-8	-3	2
13	-9	-9	-10	-11	-11	-12	-11	-11	-12	-11	-9	-8	-7	-6	-5	-5	-6	-6	-7	-6	-2	-2	-2	-2	-7	-2
14	-2	-2	-2	-2	-3	-3	-3	-3	-3	-2	0	1	2	2	1	1	0	-1	-2	-2	-2	-3	-3	-3	-1	2
15	-3	-3	-4	-4	-4	-4	-4	-3	-3	-1	1	1	1	1	1	0	-1	-3	-3	-4	-4	-5	-7	-7	-3	1
16	-8	-9	-9	-9	-11	-11	-12	-13	-13	-12	-9	-7	-4	-2	-2	-2	-3	-4	-6	-5	-5	-4	-4	-3	-7	-2
17	-3	-2	-2	-1	-1	0	2	3	3	3	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	3
18	2	2	2	2	3	3	3	2	3	3	3	3	3	4	3	2	2	2	1	2	2	1	2	2	2	4
19	2	2	2	2	2	1	1	-1	-1	-2	-1	-1	-1	-2	-2	-3	-4	-4	-5	-5	-5	-6	-6	-6	-2	2
20	-7	-7	-8	-9	-9	-10	-11	-12	-12	-11	-9	-8	-7	-7	-6	-7	-7	-8	-8	-7	-7	-7	-7	-8	-8	-6
21	-8	-9	-9	-10	-10	-11	-11	-11	-10	-8	-6	-5	-4	-3	-4	-3	-4	-6	-7	-6	-6	-6	-7	-7	-7	-3
22	-7	-7	-8	-7	-6	-7	-7	-7	-7	-5	-4	-3	-3	-3	-3	-4	-4	-6	-6	-5	-4	-4	-4	-4	-5	-3
23	-5	-6	-5	-5	-5	-4	-4	-5	-7	-8	-7	-5	-5	-4	-4	-4	-5	-6	-6	-6	-6	-6	-5	-5	-5	-4
24	-4	-4	-5	-5	-6	-6	-7	-6	-5	-3	-2	-2	-2	-2	-2	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-2
25	-4	-4	-4	-4	-4	-4	-4	-6	-4	-3	-2	-1	0	0	0	-1	-2	-2	-3	-5	-5	-6	-6	-6	-3	0
26	-7	-7	-8	-9	-10	-11	-9	-7	-8	-6	-5	-3	-3	-1	-1	-2	-2	-3	-5	-5	-5	-5	-5	-5	-6	-1
27	-4	-5	-4	-3	-4	-4	-3	-3	-3	-2	-1	0	-1	0	0	-1	-1	-1	-1	-1	-2	-3	-3	-3	-2	0
28	-3	-2	-3	-3	-3	-3	-3	-3	-3	-3	-2	-1	-1	0	-1	-1	-2	-2	-2	-3	-3	-3	-3	-3	-2	0
29	-3	-3	-3	-3	-4	-4	-4	-4	-3	-3	-2	-2	-3	-2	-2	-3	-3	-3	-7	-11	-12	-13	-14	-14	-5	-2
30	-14	-15	-15	-16	-17	-17	-17	-18	-18	-18	-17	-16	-14	-14	-13	-12	-12	-13	-14	-14	-15	-16	-17	-18	-15	-12
31	-18	-17	-17	-18	-20	-21	-21	-22	-23	-21	-19	-17	-15	-14	-13	-14	-16	-17	-18	-19	-20	-21	-21	-21	-18	-13
AV	-7	-7	-7	-7	-8	-8	-8	-8	-8	-7	-6	-6	-5	-5	-5	-5	-6	-7	-7	-7	-8	-8	-8	-8	-7	
PK	2	2	2	2	3	3	3	3	3	3	3	3	4	4	3	2	2	2	2	2	2	2	2	2		4

TEMPERATURE @ 60M **
DEGREE C

CB-TRACT
TRAILER 23
DEC 1973
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	3	3	3	3	3	3	2	3	3	3	3	3	4	3	1	-1	-2	-2	-2	-2	-3	-3	-4	-4	1	4
2	-4	-4	-5	-6	-8	-10	-11	-12	-12	-12	-12	-13	-12	-12	-12	-13	-13	-13	-13	-14	-14	-15	-16	-16	-11	-4
3	-17	-17	-17	-17	-17	-16	-16	-15	-14	-14	-12	-12	-8	-8	-8	-8	-9	-10	-10	-10	-9	-10	-9	-8	-12	-8
4	-8	-8	-8	-8	-7	-7	-7	-7	-6	-6	-3	-2	-1	-1	-1	-1	-1	0	0	1	2	1	1	1	-3	2
5	1	1	1	2	1	1	1	0	-2	-4	-4	-5	-6	-7	-9	-10	-11	-12	-12	-13	-14	-15	-15	-15	-6	2
6	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-14	-14	-14	-13	-13	-13	-13	-13	-14	-15	-16	-16	-17	-15	-13
7	-17	-17	-18	-19	-19	-20	-21	-22	-22	-21	-20	-20	-20	-20	-20	-20	-21	-22	-23	-23	-23	-23	( )	( )	-21	-17
8	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	-22	-20	-13	-17	-17	-17	-18	-18	-20	-20	-19	-19	-19	( )	-17
9	-18	-18	-17	-17	-17	-16	-15	-15	-14	-13	-12	-10	-8	-8	-7	-7	-8	-9	-9	-8	-9	-8	-9	-9	-12	-7
10	-9	-8	-8	-8	-8	-8	-8	-7	-7	-6	-6	-5	-5	-7	-7	-6	-7	-7	-7	-8	-8	-7	-9	-8	-7	-5
11	-9	-8	-8	-7	-7	-7	-7	-6	-6	-4	-2	0	1	2	1	1	0	-1	-1	-2	-1	0	2	1	-3	2
12	0	-1	-1	-1	-1	-2	-2	-2	-1	1	2	2	3	3	3	2	1	-2	-3	-3	-4	-7	-7	-7	-1	3
13	-8	-8	-8	-9	-10	-10	-9	-9	-9	-9	-7	-6	-5	-4	-4	-4	-4	-5	-5	-4	-1	0	0	-1	-6	0
14	-1	-1	-2	-1	-2	-2	-2	-2	-2	-1	1	2	3	3	2	2	1	0	-1	-1	-2	-2	-2	-2	0	3
15	-2	-2	-3	-3	-3	-2	-3	-2	-1	0	1	2	2	3	2	1	0	-2	-2	-2	-2	-4	-4	-6	-1	3
16	-7	-8	-7	-8	-9	-10	-11	-11	-11	-10	-8	-5	-2	-1	-1	-1	-3	-3	-3	-3	-3	-3	-2	-1	-5	-1
17	-1	-1	-1	0	1	2	3	4	4	5	2	2	3	3	2	3	3	3	3	3	3	3	3	4	2	5
18	4	3	3	3	4	4	4	4	5	4	4	4	4	5	4	3	3	3	2	3	2	3	2	2	3	5
19	2	2	2	3	3	2	2	1	0	0	1	1	1	0	1	-1	-2	-3	-4	-4	-4	-4	-4	-4	0	3
20	-6	-6	-7	-8	-9	-10	-10	-11	-10	-10	-7	-6	-6	-5	-5	-5	-6	-7	-7	-6	-6	-6	-6	-7	-7	-5
21	-7	-8	-7	-8	-8	-9	-9	-10	-8	-7	-4	-4	-3	-2	-2	-2	-3	-5	-6	-5	-5	-5	-5	-5	-6	-2
22	-6	-6	-6	-6	-5	-5	-6	-6	-5	-3	-3	-1	-1	-1	-2	-2	-3	-4	-4	-4	-4	-3	-3	-3	-4	-1
23	-4	-4	-3	-4	-4	-3	-3	-4	-5	-7	-6	-4	-4	-3	-4	-3	-4	-4	-5	-4	-4	-4	-4	-4	-4	-3
24	-4	-3	-4	-4	-4	-5	-5	-4	-4	-2	-1	-1	0	-1	-1	0	-2	-3	-3	-2	-2	-3	-3	-3	-3	0
25	-2	-3	-3	-3	-3	-3	-2	-3	-3	-2	0	0	1	1	1	0	-1	-1	-2	-2	-3	-4	-5	-4	-2	1
26	-5	-5	-6	-7	-7	-8	-7	-6	-7	-4	-3	-2	-1	0	0	0	-1	-3	-4	-4	-4	-4	-4	-4	-4	0
27	-4	-3	-3	-3	-3	-3	-2	-2	-2	0	2	2	2	2	2	0	0	0	0	0	0	-2	-2	-2	-1	2
28	-2	-2	-2	-2	-1	-2	-2	-2	-2	-1	1	2	3	2	2	1	0	-1	-1	-1	-1	-2	-1	-2	-1	3
29	-2	-2	-2	-2	-3	-3	-3	-3	-2	-1	1	-1	-1	0	0	-1	-1	-2	-7	-10	-11	-12	-13	-13	-4	1
30	-13	-15	-15	-15	-16	-16	-16	-17	-17	-16	-16	-14	-13	-13	-11	-11	-10	-12	-12	-12	-14	-15	-16	-15	-14	-1
31	-16	-16	-16	-17	-18	-19	-19	-21	-22	-20	-18	-16	-15	-12	-12	-12	-15	-16	-17	-18	-18	-19	-20	-19	-17	-1
AV	-6	-6	-6	-6	-6	-7	-7	-7	-7	-6	-5	-5	-4	-4	-4	-4	-5	-6	-6	-6	-6	-7	-6	-6	-5	
PK	4	3	3	3	4	4	4	4	5	5	4	4	4	5	4	3	3	3	3	3	3	3	3	4		

** COMPUTED USING TEMP @10M AND DT 60-10M

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD42 PERIOD(12/01/78 TO 12/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	-1	0	0	1	1	1	1	-2	-4	-4	-4	-4	-5	-6	-6	-7	-7	-1
2	-7	-7	-7	-8	-9	-10	-11	-11	-12	-12	-12	-12	-13	-13	-13	-13	-13	-14	-15	-16	-17	-18	-20	-22	-12
3	-22	-22	-22	-23	-23	-23	-23	-23	-22	-20	-15	-11	-6	-4	-6	-10	-12	-15	-15	-14	-13	-13	-13	-13	-15
4	-13	-12	-12	-11	-11	-10	-11	-11	-8	-7	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-5
5	-2	-2	-3	-2	-2	-2	-2	-3	-5	-7	-7	-8	-8	-9	-10	-11	-12	-12	-13	-13	-13	-14	-14	-15	-7
6	-15	-15	-15	-15	-14	-15	-15	-15	-15	-15	-15	-15	-15	-15	-14	-15	-15	-15	-15	-16	-16	-16	-16	-17	-14
7	-16	-16	-17	-17	-17	-17	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-19	-18	-19	-19	-20	-20	-20	-20	-17
8	-21	-22	-22	-22	-22	-23	-22	-23	-23	-22	-21	-19	-17	-12	-14	-15	-17	-20	-22	-23	-22	-22	-23	-23	-20
9	-22	-21	-21	-20	-20	-20	-20	-20	-19	-15	-13	-10	-7	-8	-8	-9	-8	-12	-13	-13	-13	-14	-15	-15	-14
10	-15	-15	-13	-13	-13	-13	-16	-15	-13	-9	-12	-12	-10	-11	-10	-10	-9	-13	-15	-17	-19	-19	-18	-19	-13
11	-20	-19	-18	-17	-19	-18	-18	-18	-17	-12	-6	-3	-1	1	1	0	-2	-5	-6	-7	-7	-7	-7	-9	-9
12	-8	-9	-11	-11	-7	-11	-7	-8	-8	-2	0	0	0	0	0	0	-4	-6	-7	-11	-12	-12	-14	-15	-6
13	-17	-17	-19	-19	-20	-20	-20	-20	-19	-14	-7	-7	-7	-7	-6	-7	-8	-11	-13	-15	-15	-15	-15	-16	-13
14	-16	-16	-15	-15	-17	-18	-15	-15	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
15	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
16	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
17	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
18	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	
19	IM	IM	IM	IM	IM	IM	IM	IM	IM	IM	-2	-2	-2	-3	-3	-3	-6	-6	-6	-6	-6	-6	-6	-6	-4
20	-8	-9	-11	-11	-11	-12	-12	-13	-13	-12	-8	-7	-5	-6	-6	-6	-8	-8	-8	-9	-8	-8	-9	-9	-8
21	-11	-13	-13	-15	-16	-17	-17	-17	-14	-11	-6	-5	-4	-3	-3	-4	-5	-8	-9	-8	-9	-9	-10	-11	-9
22	-12	-13	-14	-12	-11	-11	-12	-11	-11	-7	-4	-3	-1	-2	-3	-4	-6	-6	-7	-7	-6	-6	-6	-6	-7
23	-6	-6	-6	-7	-7	-6	-6	-6	-7	-9	-6	-6	-6	-5	-5	-5	-6	-5	-8	-8	-8	-8	-8	-7	-6
24	-6	-6	-6	-7	-8	-9	-11	-10	-9	-5	-3	-2	-2	-3	-2	-2	-3	-3	-4	-6	-6	-6	-7	-9	-5
25	-9	-10	-11	-11	-12	-12	-12	-13	-12	-8	-2	-2	0	0	0	-2	-3	-5	-10	-12	-12	-13	-14	-15	-7
26	-16	-17	-17	-18	-18	-18	-18	-17	-15	-11	-7	-5	-3	-1	-2	-4	-4	-7	-9	-11	-11	-13	-11	-12	-10
27	-12	-13	-12	-13	-12	-11	-12	-10	-9	-6	-2	-1	0	0	-1	-1	-2	-3	-3	-3	-3	-3	-5	-5	-5
28	-4	-3	-5	-5	-5	-5	-5	-5	-4	-3	-2	-2	-2	-2	-2	-2	-2	-3	-4	-4	-4	-4	-4	-5	-3
29	-4	-4	-4	-3	-12	-12	-6	-6	-6	-3	-3	-2	-3	-4	-4	-3	-3	-4	-8	-11	-13	-13	-14	-14	-6
30	-15	-17	-16	-17	-17	-17	-18	-18	-18	-17	-16	-9	-11	-12	-11	-12	-13	-15	-16	-18	-18	-19	-21	-21	-15
31	-24	-24	-24	-25	-26	-28	-22	-22	-22	-21	-16	-14	-11	-10	-12	-12	-16	-18	-20	-21	-22	-22	-22	-23	-19
MEAN	-11	-12	-12	-12	-12	-13	-12	-12	-12	-10	-7	-6	-5	-5	-5	-6	-7	-8	-9	-10	-11	-11	-11	-12	-9

TOTAL NUMBER OF OBSERVATIONS = 622

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD56 PERIOD(12/01/78 TO 12/31/78)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
21	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
22	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
23	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
24	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
25	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
26	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	
27	OE	OE	OE	OE	OE	OE	OE	OE	OE	-11	-5	-1	0	0	0	-1	-3	-5	-5	-5	-4	-5	-6	-6	-3
28	-6	-7	-6	-6	-5	-6	-7	-6	-7	-3	-1	-1	-1	-1	-1	-2	-3	-5	-6	-6	-6	RF	-10	-11	-4
29	-11	-10	-10	-14	-17	-18	-17	-11	-7	-5	-2	-3	-3	-3	-3	-3	-5	-6	-8	-13	-14	-15	-16	-16	-9
30	-16	-17	-18	-20	-19	-19	-21	-21	-20	-18	-17	-11	-7	-12	-12	-12	-15	-20	-20	-20	-22	-22	-23	-26	-17
31	-26	-25	-23	-25	-25	-25	-25	-24	-23	-23	-15	-17	-13	-11	-13	-15	-18	-20	-22	-24	-26	-27	-27	-27	-21
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 110

DELTA TEMPERATURE 60-10M
DEGREE C*100

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-6	-11	25	6	0	0	6	0	0	-3	-6	-11	-11	11	-11	-17	-14	-17	-25	-19	6	14	8	6	-3	25
2	-8	-6	-8	-11	-11	-14	-17	-22	-22	-22	-25	-47	-53	-53	-61	-72	-39	-11	14	39	64	61	67	56	-8	67
3	64	122	119	167	125	75	111	178	147	142	111	28	22	0	0	-19	-19	81	61	8	6	-11	11	6	64	173
4	0	8	0	-11	-8	-11	-11	-8	0	0	3	8	39	47	17	44	-6	19	22	50	44	33	14	39	14	50
5	39	39	33	36	39	36	19	14	-11	-22	-8	-14	-19	-17	-22	-19	-14	-17	-17	-14	-17	-22	-22	-22	-1	39
6	-22	-19	-19	-17	-11	25	11	-11	-19	-22	-22	-19	-17	-19	-19	-19	-17	-11	-8	3	8	0	-6	-6	-11	25
7	-6	-17	-14	-11	-6	-14	-17	-8	33	22	28	22	14	-8	-31	-28	-11	-11	14	28	39	39	(PF)	(PF)	3	39
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	39	-92	-67	-14	-19	-14	124	269	156	122	74	94	75	58	269
9	22	3	17	28	-3	-3	6	0	72	47	8	0	22	3	-6	0	0	-3	56	133	58	167	142	75	35	167
10	114	100	72	64	108	100	147	200	106	108	86	278	175	108	39	22	50	78	72	81	136	239	269	111	119	278
11	256	242	244	347	278	300	272	272	269	117	56	44	58	28	22	25	19	94	150	222	231	217	278	192	176	347
12	117	206	208	181	78	161	125	136	147	61	22	25	39	25	28	19	92	117	133	178	136	228	114	117	112	228
13	131	133	203	206	81	136	214	319	233	169	53	58	14	6	6	19	61	75	72	239	319	228	242	128	139	319
14	136	100	75	22	14	42	86	114	183	97	14	6	6	22	11	8	28	97	92	47	69	61	56	111	62	183
15	139	142	72	78	42	108	69	125	178	128	36	33	23	33	6	-3	28	69	50	161	139	147	183	94	87	183
16	44	25	86	169	194	114	167	192	242	158	53	94	69	14	11	8	22	103	181	253	189	156	183	239	124	253
17	100	61	144	94	61	86	111	106	56	75	-8	0	14	22	69	25	-6	-8	0	8	3	3	-3	22	43	144
18	31	22	19	25	3	11	3	8	19	6	17	0	0	-3	-11	3	6	8	22	6	11	39	-6	-8	10	39
19	14	-8	3	17	25	11	14	22	36	36	72	83	97	106	128	75	28	-8	-14	-6	0	-3	3	0	30	123
20	8	108	47	6	3	-8	39	58	25	19	-14	-6	-14	-14	-19	-22	-25	-17	-14	-11	-11	-8	0	58	8	108
21	114	125	153	122	100	58	50	122	108	64	3	-3	-3	-11	-19	-22	-14	22	31	22	42	25	131	128	56	153
22	97	114	97	114	89	153	144	142	128	47	3	22	-6	-11	-19	-8	-14	0	19	22	8	-6	-8	-3	47	153
23	31	31	111	17	31	19	19	19	0	-3	3	-22	-22	-11	-17	-11	0	72	86	25	6	14	11	0	17	111
24	3	-3	28	42	75	142	150	100	28	22	28	17	11	-3	6	33	8	11	22	36	44	31	72	56	40	150
25	94	83	75	103	172	211	289	300	122	136	56	22	-14	-3	3	11	14	89	156	253	158	169	114	178	116	300
26	158	275	336	300	306	325	264	256	169	200	103	72	36	14	19	75	22	64	106	172	122	42	36	97	149	336
27	14	267	114	122	56	69	56	75	64	31	122	56	78	64	114	-6	-8	14	25	25	14	-11	0	6	56	267
28	-6	0	-14	17	36	22	3	-6	28	33	61	111	97	61	111	81	44	8	19	17	17	17	6	17	33	111
29	11	14	11	14	3	0	-3	8	72	119	125	28	53	75	78	69	28	3	50	-19	-17	-22	-17	-19	28	125
30	-8	-11	-22	-14	-11	-25	-14	11	3	-11	-14	6	-17	-31	-19	-6	22	53	50	28	47	69	47	72	9	72
31	81	69	39	53	31	61	47	22	61	103	-14	-28	28	22	31	19	-11	0	25	75	50	64	75	106	42	106
AV	59	74	75	76	63	73	79	91	83	62	32	29	20	13	14	9	3	35	55	72	66	66	70	64	53	
PK	256	275	336	347	306	325	289	319	269	200	125	278	175	108	128	81	92	124	269	253	319	239	278	239		347

(05/22/79-RPI)

RELATIVE HUMIDITY @ 3M
PERCENT

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	74	72	71	72	74	74	74	74	73	75	75	77	72	73	90	95	96	97	97	97	97	97	97	97	83	97
2	97	97	97	97	95	94	94	92	91	91	87	85	83	79	78	78	77	77	77	76	81	82	84	85	86	97
3	85	84	86	86	86	85	86	86	85	86	87	87	82	63	56	53	58	65	75	78	78	75	82	81	78	87
4	81	80	80	80	80	81	79	77	78	76	73	66	66	64	66	66	66	69	74	74	74	74	74	74	74	81
5	75	78	80	78	71	75	74	74	87	97	97	93	93	93	90	89	89	89	90	90	90	90	(RF)	(RF)	86	97
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	89	89	89	89	89	89	89	88	85	85	85	85	85	87	87	87	87	87	87	89
7	87	88	88	88	87	87	87	86	85	84	84	84	71	69	69	69	66	68	73	78	81	82	82	83	80	88
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	84	78	77	78	77	79	78	77	70	76	75	71	70	( )	84
9	69	73	73	72	60	51	50	53	54	55	67	73	77	80	80	82	83	84	83	83	83	79	81	83	72	84
10	85	86	85	81	76	80	76	80	81	81	84	89	89	90	89	84	84	85	86	82	80	78	79	79	83	90
11	78	76	( )	( )	( )	( )	( )	( )	( )	( )	60	53	48	46	37	32	31	34	42	51	53	55	56	52	49	( )	78
12	52	48	49	51	51	49	52	56	57	52	42	67	68	68	68	69	41	48	63	67	70	75	83	84	60	34
13	87	92	93	94	95	93	91	94	92	87	71	52	47	43	40	40	41	51	62	67	76	78	73	70	72	95
14	79	75	74	70	68	70	71	72	74	63	54	48	47	46	47	48	50	54	57	58	58	62	65	65	61	79
15	68	70	74	74	74	73	73	73	74	67	56	50	50	50	50	52	55	62	67	73	78	78	79	85	67	85
16	87	87	84	82	86	89	92	95	96	90	68	57	51	43	34	34	38	44	47	54	60	54	54	53	66	96
17	51	51	49	47	46	45	53	60	62	62	62	79	91	91	91	82	84	82	82	82	83	83	85	86	73	91
18	86	85	88	93	93	91	87	88	90	93	93	93	92	88	88	90	95	96	93	98	91	95	96	95	92	98
19	89	77	75	85	70	74	83	73	88	70	84	59	53	55	53	53	53	56	59	66	67	70	74	80	69	89
20	83	86	90	91	85	80	71	73	79	81	75	60	49	44	45	48	52	58	63	56	53	58	57	59	67	91
21	60	64	66	71	75	77	79	79	79	71	60	54	54	53	53	54	54	60	64	65	66	65	68	71	65	79
22	73	75	77	76	77	77	75	76	78	76	65	59	59	57	61	65	66	69	70	70	68	67	67	67	70	78
23	68	72	73	73	73	70	67	73	73	91	93	78	57	47	41	38	40	42	50	54	60	59	59	58	63	93
24	59	61	63	67	70	75	75	77	75	66	60	59	59	60	61	64	64	67	69	69	70	71	72	74	67	77
25	75	74	79	80	80	84	85	87	85	70	52	48	46	42	42	44	48	50	66	75	72	69	69	75	67	87
26	79	80	81	79	82	80	80	78	64	64	55	45	44	34	32	38	39	41	51	52	57	58	58	56	59	82
27	58	53	56	55	55	52	52	50	50	48	45	45	43	48	52	53	56	59	60	60	61	62	80	81	56	81
28	79	79	76	77	80	80	81	81	81	79	75	74	73	72	72	70	68	70	72	76	77	79	79	79	76	81
29	79	77	77	76	77	78	77	77	74	70	70	66	67	77	75	81	81	76	79	94	98	98	98	99	80	99
30	99	98	98	98	98	98	98	98	97	97	96	93	91	87	81	75	76	83	89	93	96	97	97	97	93	99
31	97	97	98	98	99	98	96	96	97	95	94	80	77	69	65	59	65	82	88	90	90	93	94	94	88	99
AV	77	77	78	78	77	77	77	78	79	76	72	69	67	64	63	63	64	67	72	74	75	76	77	77	74	
PK	99	98	98	98	99	98	98	98	97	97	97	93	93	93	91	95	96	97	97	98	98	98	98	99		99

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	0	0	0	0	0	0	0	0	5	8	7	11	8	6	6	4	0	0	0	0	0	0	0	0	55	11
2	0	0	0	0	0	0	0	0	3	10	16	23	25	23	14	7	2	0	0	0	0	0	0	0	123	25
3	0	0	0	0	0	0	0	0	6	12	19	31	38	41	37	11	4	0	0	0	0	0	0	0	199	41
4	0	0	0	0	0	0	0	0	5	19	19	29	25	26	30	22	6	0	0	0	0	0	0	0	181	30
5	0	0	0	0	0	0	0	0	2	7	11	10	12	11	9	5	1	0	0	0	0	0	0	0	68	12
6	0	0	0	0	0	0	0	0	2	7	8	13	16	12	11	10	2	0	0	0	0	0	0	0	81	16
7	0	0	0	0	0	0	0	0	4	14	19	23	20	16	13	7	2	0	0	0	0	0	(PF)	(PF)	118	23
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	15	17	15	11	7	3	0	0	0	0	0	0	0	68	17
9	0	0	0	0	0	0	0	0	3	11	15	13	19	19	13	4	0	0	0	0	0	0	0	0	97	19
10	0	0	0	0	0	0	0	0	3	9	13	12	23	20	16	11	1	0	0	0	0	0	0	0	108	23
11	0	0	0	0	0	0	0	0	13	25	33	37	37	32	24	12	3	0	0	0	0	0	0	0	216	37
12	0	0	0	0	0	0	0	0	8	20	30	37	37	33	24	12	3	0	0	0	0	0	0	0	204	37
13	0	0	0	0	0	0	0	0	13	25	35	43	40	34	21	11	3	0	0	0	0	0	0	0	225	43
14	0	0	0	0	0	0	0	0	9	20	29	37	37	33	24	13	3	0	0	0	0	0	0	0	205	37
15	0	0	0	0	0	0	0	0	9	20	31	37	35	28	19	8	2	0	0	0	0	0	0	0	189	37
16	0	0	0	0	0	0	0	3	13	23	33	40	40	30	23	12	3	0	0	0	0	0	0	0	220	40
17	0	0	0	0	0	0	0	0	3	6	8	8	7	6	7	7	1	0	0	0	0	0	0	0	53	8
18	0	0	0	0	0	0	0	0	2	5	8	10	13	11	5	3	0	0	0	0	0	0	0	0	57	13
19	0	0	0	0	0	0	0	0	5	15	21	24	28	34	25	12	2	0	0	0	0	0	0	0	166	34
20	0	0	0	0	0	0	0	0	6	13	27	32	23	19	13	7	0	0	0	0	0	0	0	0	140	32
21	0	0	0	0	0	0	0	1	14	22	28	31	37	33	20	14	3	0	0	0	0	0	0	0	203	37
22	0	0	0	0	0	0	0	1	11	23	33	35	33	23	10	6	1	0	0	0	0	0	0	0	176	35
23	0	0	0	0	0	0	0	0	3	6	23	37	37	32	23	10	0	0	0	0	0	0	0	0	171	37
24	0	0	0	0	0	0	0	0	9	22	32	30	25	19	14	14	1	0	0	0	0	0	0	0	166	32
25	0	0	0	0	0	0	0	1	10	23	32	36	36	31	17	10	2	0	0	0	0	0	0	0	198	36
26	0	0	0	0	0	0	0	2	10	22	30	35	35	26	21	11	3	0	0	0	0	0	0	0	195	35
27	0	0	0	0	0	0	0	2	8	17	26	32	33	29	25	8	4	0	0	0	0	0	0	0	184	33
28	0	0	0	0	0	0	0	0	7	22	33	38	38	34	27	14	3	0	0	0	0	0	0	0	216	38
29	0	0	0	0	0	0	0	0	8	20	30	23	23	26	20	12	4	0	0	0	0	0	0	0	166	30
30	0	0	0	0	0	0	0	0	2	4	10	12	15	12	11	6	1	0	0	0	0	0	0	0	73	15
31	0	0	0	0	0	0	0	0	6	12	17	20	20	17	13	8	1	0	0	0	0	0	0	0	114	20
TL	0	0	0	0	0	0	0	10	202	462	676	814	832	731	546	298	64	0	0	0	0	0	0	0	4635	
PK	0	0	0	0	0	0	0	3	14	25	35	43	40	41	37	22	6	0	0	0	0	0	0	0		43

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	778	777	776	776	776	775	775	775	775	774	774	774	773	773	773	773	773	773	773	773	772	772	771	771	774	778
2	770	770	770	770	770	770	770	770	771	772	772	772	773	773	773	774	775	776	776	777	777	777	778	778	773	778
3	778	778	778	779	779	780	780	781	781	781	781	781	781	781	781	781	781	781	781	781	782	782	783	783	781	783
4	783	783	783	783	783	783	784	784	784	784	783	783	782	781	781	780	780	778	777	776	776	775	775	774	781	784
5	773	772	772	771	770	770	770	770	771	771	772	772	772	771	771	771	772	772	772	772	772	772	772	772	771	773
6	771	771	771	771	770	769	769	769	768	767	767	767	766	766	766	766	767	767	767	768	769	769	770	770	768	771
7	771	772	772	773	773	774	774	775	776	777	777	777	777	777	778	779	779	780	780	781	782	782	783	(PF)	777	783
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	787	787	787	786	786	786	786	786	787	788	788	788	788	787	788
9	789	789	789	789	789	789	790	790	790	791	791	791	791	790	790	789	789	789	789	789	789	789	789	790	790	791
10	789	789	788	788	787	787	787	787	787	787	787	787	787	787	788	788	789	790	790	790	791	791	792	792	789	792
11	792	792	792	792	792	792	792	792	792	792	792	792	791	791	790	790	790	790	790	790	790	789	789	789	791	792
12	788	788	788	788	788	788	788	788	788	788	789	789	788	788	788	788	789	789	790	791	792	793	793	794	789	794
13	794	794	794	794	794	794	794	794	794	794	794	794	793	792	792	792	792	792	792	791	791	791	791	791	793	794
14	791	791	790	790	790	790	790	790	790	790	790	789	788	788	787	787	786	786	786	786	786	786	786	786	788	791
15	785	785	785	785	784	784	784	784	784	784	784	784	783	783	783	783	783	784	784	784	785	786	787	787	784	787
16	788	788	788	789	789	789	789	789	789	789	789	789	789	788	788	787	787	787	787	787	787	787	787	787	788	789
17	786	786	785	785	784	784	783	783	782	782	782	782	782	782	782	781	781	781	781	781	781	781	781	780	782	786
18	780	779	779	779	778	777	777	776	776	776	777	776	776	775	775	775	775	774	774	774	774	774	774	774	776	780
19	774	773	773	773	773	773	773	773	773	774	774	774	774	773	773	773	773	774	774	775	775	775	776	777	774	777
20	777	777	778	778	778	779	780	780	781	782	783	784	784	784	785	785	785	786	786	786	786	786	787	787	783	787
21	787	787	787	787	787	787	787	787	787	787	787	786	785	785	784	784	784	784	784	784	784	785	785	785	786	787
22	785	785	785	785	784	784	784	784	784	784	784	784	783	782	781	781	781	780	780	779	778	778	778	778	782	785
23	778	777	777	777	777	777	778	778	780	780	781	781	782	782	782	782	782	782	782	782	782	783	783	783	780	783
24	783	784	784	784	784	784	784	784	783	783	783	783	782	782	781	781	781	781	781	781	781	781	781	781	782	784
25	781	781	781	781	781	781	782	782	782	782	782	782	781	781	781	781	781	781	782	782	782	783	783	783	782	783
26	784	784	784	784	784	785	785	785	785	785	785	784	783	783	783	783	783	782	782	782	782	782	782	783	785
27	782	782	782	782	781	781	781	781	780	780	780	779	778	777	777	777	776	776	775	775	775	775	775	775	778	782
28	774	773	773	773	772	772	772	772	773	773	773	773	773	772	772	772	772	772	773	773	773	773	773	773	773	774
29	773	773	773	773	773	773	773	773	773	773	773	774	774	773	773	773	774	774	774	776	776	777	777	777	774	777
30	777	778	778	778	778	778	779	779	779	779	779	779	779	779	779	779	778	778	778	779	779	779	779	779	779	779
31	779	779	779	779	779	780	780	780	780	780	780	780	780	779	779	778	779	779	780	780	780	781	782	782	780	782
AV	781	781	781	781	781	781	781	781	781	781	782	782	781	781	781	781	781	781	781	781	781	781	782	782	781	
PK	794	794	794	794	794	794	794	794	794	794	794	794	793	792	792	792	792	792	792	791	792	793	793	794		794

II B-528

(05/22/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1													(TR)	18	8	8	5	10	5	8	5	5	5	5	81	18
2	5	3	5	3	3	3	3	5	3	3	3	3													33	5
3		(TR)	(TR)	(TR)	(TR)	(TR)	3	3	(TR)	5	15	8	(TR)						(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	33	15
4	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	5															8	5
5								8	10	10	5	8	(TR)										(TR)	(TR)	41	10
6	(TR)	3	(TR)	3	(TR)	3	(TR)	(TR)	(TR)	5	3	(TR)	3	(TR)	(TR)	(TR)									18	5
7	(TR)	(TR)	3							3	10														15	10
8									(TR)	3	8	3	13	(TR)	3							(TR)	3	3	33	13
9	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	3	3	8	13	8	(TR)	41											76	41
10									(TR)	3	(TR)	10	(TR)												13	10
11			3						13	13	8	13	5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	53	13
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
15	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)															( )	
16																									( )	
17							(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3
18	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3						(TR)	3	3						8	3
19																									( )	
20																									( )	
21																									( )	
22											(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
24	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
25	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
26	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)																( )	
28																									( )	
29																					(TR)	(TR)	13	10	23	13
30	3	(TR)	(TR)	5	3	(TR)	(TR)	3	(TR)	3	(TR)	5							(RF)	(RF)	(RF)	(RF)			20	5
31											(TR)	3	3												5	3
TL	8	8	10	10	5	5	5	20	30	58	66	61	23	58	10	8	5	13	8	8	5	5	20	18	467	
PK	5	3	5	5	3	3	3	8	13	13	15	13	13	41	8	8	5	10	5	8	5	5	13	10		41

(05/22/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)																( )	
12																									( )	
13																									( )	
14																									( )	
15																									( )	
16																									( )	
17											(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	( )	
18	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	3	(TR)	3	(TR)	(TR)	3	(TR)	3	5	3	(TR)	(TR)	(TR)	(TR)	5	25	5
19	(TR)	(TR)	3																						3	3
20	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3													(TR)	(TR)	3	3
21	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3											(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3
22	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3																	5	3
23																									( )	
24																									( )	
25																									( )	
26																									( )	
27																									( )	
28																									( )	
29																				(TR)	8	10	3	3	23	10
30	(TR)	3	(TR)	3	(TR)	3	(TR)	(TR)	3	18															28	18
31	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3	3
TL	3	3	3	3	( )	3	( )	8	3	23	( )	3	( )	( )	3	( )	3	5	3	( )	8	10	3	10	91	
PK	3	3	3	3		3		3	3	18		3			3		3	5	3		8	10	3	5		18

II B-530

(05/22/79-RPI)

INVERSION HEIGHT
METERS

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(PF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	70	160	240	260	260	230	260	240	( )	230
15	300	330	320	300	280	230	260	260	300	350	220	100	200	(NV)	(NV)	(NV)	200	360	460	380	300	240	260	260	284	450
16	280	220	200	220	240	280	320	320	300	300	200	160	240	160	130	180	210	220	260	300	280	300	280	280	245	320
17	200	240	300	240	260	260	270	380	380	320	300	420	460	460	340	300	340	320	420	640	700	640	620	560	393	700
18	500	420	400	400	320	340	320	340	340	260	240	260	300	(NV)	(NV)	(NV)	200	300	300	320	260	240	340	330	320	500
19	340	360	380	300	300	300	330	320	260	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	100	200	180	120	110	140	242	380
20	160	240	200	160	160	180	120	140	180	200	220	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	200	200	100	30	80	156	240
21	240	360	300	260	280	260	260	260	300	300	280	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	200	220	220	240	240	260	252	360
22	280	280	260	260	260	340	420	400	370	380	260	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	120	240	360	420	300	160	220	296	420
23	400	400	320	440	540	500	380	300	300	480	360	(NV)	(NV)	(NV)	(NV)	(NV)	100	150	200	260	260	160	160	180	311	540
24	180	140	200	300	280	280	320	380	300	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	240	420	440	480	500	520	500	334	520
25	500	510	500	440	410	400	400	400	430	360	260	140	(NV)	(NV)	(NV)	(NV)	(NV)	200	240	360	360	380	360	320	367	510
26	300	360	320	260	260	300	300	300	280	220	240	240	200	160	200	230	260	260	240	240	300	310	280	240	263	360
27	300	340	280	260	300	300	330	330	320	300	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	200	300	260	220	240	250	272	340
28	220	230	240	180	40	30	100	140	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	180	200	220	180	190	220	210	164	240
29	260	260	300	340	340	330	260	200	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	250	330	340	34	(RF)	(RF)	253	340
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	60	120	110	120	140	140	160	( )	160
31	170	160	180	190	180	120	140	200	120	120	(NV)	(NV)	(NV)	(NV)	(NV)	60	140	120	80	80	120	120	160	140	137	200
AV	289	303	294	284	278	281	283	292	281	( )	( )	( )	( )	( )	( )	( )	( )	182	236	290	292	251	258	257	263	
PK	500	510	500	440	540	500	420	400	430	480	360	420	460	460	340	300	340	360	460	640	700	640	620	560		700

II B-531

(05/22/79-RPI)

STABILITY CLASS @ 50M
0=STB 1=UNST

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	0	0	0	0	0	0	0	0	( )
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0
21	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	(RF)	(RF)	0
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	( )
31	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
PV	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0

(05/22/79-RPI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CB-TRACT
TRAILER 20
DEC 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
4	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
7	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
8	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
13	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
14	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	0	0	0	0	0	0	( )
15	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
20	1	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	0
24	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1
29	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	(RF)	(RF)	0
30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	( )
31	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
FV	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0

(05/22/79-RPI)

STABILITY CLASS USING DT/DZ
DT 60-10M
WS 10M

CB-TRACT
TRAILER 23
DEC 1978
OCCIDENTAL OIL SHALE, INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE
1	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E	E	E	D
2	E	E	D	D	D	E	D	D	D	E	E	D	D	D	D	D	D	E	E	E	E	E	E	E	E
3	E	F	F	F	F	E	F	F	F	F	F	E	E	E	E	E	E	E	D	D	E	E	E	E	E
4	F	E	D	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
5	D	D	D	D	D	D	D	D	D	E	E	D	E	D	D	D	D	E	E	E	E	E	E	E	D
6	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
7	E	E	F	E	E	E	E	E	E	E	E	E	E	E	D	D	E	E	E	E	E	E	( )	( )	E
8	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	E	B	D	E	E	E	F	E	F	F	E	F	E	( )
9	F	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E	F	E	F	F	E	E
10	F	F	E	E	F	F	F	F	F	F	F	F	F	F	( )	( )	( )	F	E	F	F	E	F	F	F
11	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E
12	F	F	F	F	E	F	F	F	E	E	E	D	D	D	D	D	E	( )	F	F	F	F	( )	( )	E
13	( )	( )	( )	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F
14	F	F	E	E	E	E	F	F	F	F	E	E	D	D	D	D	D	F	E	D	E	E	E	F	E
15	F	F	E	F	E	F	E	F	F	F	D	D	D	D	D	E	E	E	E	F	F	( )	( )	( )	E
16	( )	( )	F	F	F	F	( )	F	F	F	E	F	E	E	E	E	E	F	F	F	E	F	F	E	F
17	F	E	E	E	E	F	E	E	E	E	D	D	E	E	E	E	E	E	D	D	D	D	D	D	E
18	D	E	D	E	F	E	E	D	D	D	E	E	E	E	E	E	E	D	E	D	E	E	D	D	E
19	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	D
20	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
21	F	F	F	F	F	E	E	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	E
22	F	F	F	F	F	F	F	F	F	E	E	E	E	D	D	D	E	E	E	D	D	D	D	D	E
23	E	D	E	E	E	E	E	D	D	E	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E
24	E	E	E	E	E	E	F	F	E	E	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E
25	E	F	E	F	F	F	F	F	F	F	E	E	E	E	E	E	E	F	F	F	F	F	F	F	F
26	F	F	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	F	F	E	E	E	F	F
27	E	F	F	F	E	E	E	E	E	E	D	D	D	D	D	E	E	D	D	D	D	D	E	D	E
28	D	D	E	D	D	D	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
29	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	D
30	E	E	E	E	E	E	E	( )	E	E	E	E	E	D	E	( )	E	E	E	E	E	E	E	E	E
31	( )	E	E	E	E	E	E	E	E	F	E	D	E	E	E	E	E	E	E	E	E	E	E	F	E
AVE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	3	1	12	9	9	0	1	0	0	0	6	4	6	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	6	12	11	21	163	150	92	17	28	19	16	11	42	70	45	8	3 :	714
TOTAL :	6	12	11	21	164	150	92	17	28	19	16	11	42	70	45	8	3	715
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	3	1	2	1	1	1	2	2	2	2	2	2	1	1	1	3	2	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	24	13	10	10	28	37	39	41	58	147	89	22	27	42	60	32	41 :	720
TOTAL :	24	13	10	10	28	37	39	41	58	147	89	22	27	42	60	32	41	720
MEAN CONC.	1	0	1	1	1	1	1	0	0	1	1	1	0	0	0	0	1	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	5	1	24	18	15	0	1	0	0	0	9	7	9	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20. - 30. :	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10. - 20. :	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	5
LT 10. :	6	12	11	21	161	148	91	17	27	19	16	11	42	70	45	8	3	708
TOTAL :	6	12	11	21	164	150	92	17	27	19	16	11	42	70	45	8	3	714
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	7	1	22	1	15	1	7	3	3	5	3	3	1	7	1	7	5	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
10. - 20. :	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0 :	2
LT 10. :	24	13	9	10	26	37	39	41	58	147	89	22	27	42	60	32	41 :	717
TOTAL :	24	13	10	10	28	37	39	41	58	147	89	22	27	42	60	32	41	720
MEAN CONC.	2	1	3	1	2	1	1	1	1	1	1	1	1	1	0	0	1	1

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	1	16	3	9	0	0	0	0	0	0	3	1	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
10. - 20. :	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	: 2
LT 10. :	6	12	11	21	162	150	92	17	27	19	16	11	42	70	45	8	3	: 712
TOTAL :	6	12	11	21	164	150	92	17	27	19	16	11	42	70	45	8	3	714
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	1	0	20	0	13	0	5	0	0	3	1	0	0	5	0	1	3	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
10. - 20. :	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	24	13	9	10	27	37	39	41	58	147	89	22	27	42	60	32	41 :	718
TOTAL :	24	13	10	10	28	37	39	41	58	147	89	22	27	42	60	32	41	720
MEAN CONC.	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION !MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	88	107	121	88	117	117	107	123	127	156	180	98	192	147	101	98	74	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0 :	2
160. - 180. :	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0 :	1
140. - 160. :	0	0	0	0	0	0	0	0	0	2	3	0	0	1	0	0	0 :	6
120. - 140. :	0	0	1	0	0	0	0	1	1	5	1	0	1	0	0	0	0 :	10
100. - 120. :	0	1	0	0	4	6	2	2	3	2	1	0	0	3	1	0	0 :	25
80. - 100. :	1	0	0	1	28	24	29	3	8	3	0	1	4	15	10	1	0 :	128
60. - 80. :	2	3	3	10	64	48	35	4	10	4	5	5	6	17	14	4	3 :	237
40. - 60. :	2	6	5	5	39	44	12	1	4	0	1	4	11	18	9	2	0 :	163
20. - 40. :	1	2	2	3	11	21	8	6	3	3	3	0	10	8	2	0	0 :	83
LT 20. :	0	0	0	1	4	2	5	1	0	0	0	1	1	0	1	1	0 :	17
TOTAL :	6	12	11	20	150	145	91	18	29	19	16	11	34	62	37	8	3	672
MEAN CONC.	62	59	61	58	66	63	68	62	75	95	95	61	57	69	69	62	67	67

0 = NO OBSERVATIONS

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	86	84	80	92	92	94	92	82	94	92	88	82	82	80	82	84	90	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 100. :	7	1	1	6	4	13	12	11	13	69	36	4	2	1	7	2	9 :	198
60. - 80. :	17	12	9	5	24	24	23	24	39	77	53	17	22	40	50	24	31 :	491
40. - 60. :	0	0	0	0	0	0	4	6	6	2	1	1	3	1	3	6	1 :	34
20. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	24	13	10	11	28	37	39	41	58	148	90	22	27	42	60	32	41	723
MEAN CONC.	76	75	73	80	75	77	75	73	73	78	75	74	70	69	70	63	75	74

0 = NO OBSERVATIONS

3250. -3500.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
3000. -3250.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
2750. -3000.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
2500. -2750.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
2250. -2500.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
2000. -2250.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
1750. -2000.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
1500. -1750.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
1250. -1500.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
1000. -1250.	:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	: 0
LT 1000.	:	6	11	11	21	164	150	90	18	29	18	16	11	42	70	45	8	3	: 713
TOTAL	:	6	11	11	21	164	150	90	18	29	18	16	11	42	70	45	8	3	713
MEAN CONC.		86	20	99	35	29	34	38	35	23	6	14	47	34	24	34	21	19	32

0 = NO OBSERVATIONS

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	344	57	57	229	114	344	344	229	344	459	459	114	459	459	229	114	114	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	25	13	10	11	28	37	39	41	58	150	90	22	27	42	60	32	41 :	726
TOTAL :	25	13	10	11	28	37	39	41	58	150	90	22	27	42	60	32	41	726
MEAN CONC.	48	22	28	57	24	45	36	28	37	49	59	26	83	61	25	43	26	43

0 = NO OBSERVATIONS

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

SULFUR DIOXIDE (SO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	25	13	10	11	28	35	39	41	58	146	88	22	27	42	60	32	40 :	717
TOTAL :	25	13	10	11	28	35	39	41	58	146	88	22	27	42	60	32	40	717
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/23/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

HYDROGEN SULFIDE (H2S) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(12/01/78 TO 12/31/78)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	25	13	10	11	28	36	39	41	58	146	88	22	27	42	60	32	39 :	717
TOTAL :	25	13	10	11	28	36	39	41	58	146	88	22	27	42	60	32	39	717
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(05/23/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL C-B SHALE OIL PROJECT

STATION AB20 PERIOD(12/01/78 TO 12/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	3	3	1	4	5	4	5	4	4	4	5	4	4	4	4	3	1	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
5. - 8. :	0	0	0	0	3	0	10	0	0	0	2	0	0	0	0	0	0 :	15
3. - 5. :	1	1	0	6	28	17	44	7	13	11	5	3	28	10	8	1	0 :	183
1. - 3. :	0	5	3	5	85	108	30	10	14	6	9	7	13	48	23	1	1 :	368
LT 1. :	5	6	7	8	43	25	8	1	2	2	0	1	1	12	14	6	2 :	143
TOTAL :	6	12	10	19	159	150	92	18	29	19	16	11	42	70	45	8	3	709
PERCENT	1.	2.	1.	3.	22.	21.	13.	3.	4.	3.	2.	2.	6.	10.	6.	1.	0.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(12/01/78 TO 12/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	4	3	3	3	3	3	3	7	11	14	17	9	3	5	5	6	4	
GT 11. :	0	0	0	0	0	0	0	0	1	4	10	0	0	0	0	0	0 :	15
8. - 11. :	0	0	0	0	0	0	0	0	7	22	22	1	0	0	0	0	0 :	52
5. - 8. :	0	0	0	0	0	0	0	3	16	55	22	1	0	1	8	9	0 :	115
3. - 5. :	6	1	1	1	2	6	4	16	22	36	12	2	3	5	24	11	1 :	153
1. - 3. :	12	4	5	9	20	28	31	21	9	31	22	13	21	27	22	6	27 :	308
LT 1. :	5	8	4	1	7	3	4	1	3	3	3	1	3	3	4	5	12 :	70
TOTAL :	23	13	10	11	29	37	39	41	58	151	91	18	27	36	58	31	40	713
PERCENT	3.	2.	1.	2.	4.	5.	5.	6.	8.	21.	13.	3.	4.	5.	8.	4.	6.	100.

0 = NO OBSERVATIONS

(05/23/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

30 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(12/01/78 TO 12/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	8	5	1	1	2	3	3	4	7	14	16	16	10	4	6	6	3	
GT 11. :	0	0	0	0	0	0	0	0	0	4	27	9	0	0	0	0	0 :	40
8. - 11. :	1	0	0	0	0	0	0	0	0	18	24	3	1	0	0	0	0 :	47
5. - 8. :	8	2	0	0	0	0	0	0	2	21	26	5	1	0	3	3	0 :	71
3. - 5. :	9	2	0	0	0	1	3	6	9	18	6	5	2	5	2	16	1 :	85
1. - 3. :	4	5	2	1	4	1	5	4	0	6	5	3	3	3	4	8	5 :	63
LT 1. :	0	1	2	1	1	1	0	2	4	0	1	0	1	5	6	0	1 :	26
TOTAL :	22	10	4	2	5	3	8	12	15	67	89	25	8	13	15	27	7	332
PERCENT	7.	3.	1.	1.	2.	1.	2.	4.	5.	20.	27.	8.	2.	4.	5.	8.	2.	100.

0 = NO OBSERVATIONS

(05/23/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

60 METER LEVEL

C-B SHALE OIL PROJECT

STATION AP23 PERIOD(12/01/78 TO 12/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	6	5	4	0	1	1	2	3	4	12	13	9	2	3	5	4	1	
GT 11. :	0	0	0	0	0	0	0	0	0	2	15	0	0	0	0	0	0 :	17
8. - 11. :	0	0	0	0	0	0	0	0	0	11	29	1	0	0	0	0	0 :	41
5. - 8. :	1	2	0	0	0	0	0	0	0	19	13	1	0	0	2	0	0 :	38
3. - 5. :	1	1	1	0	0	0	0	1	7	14	6	0	0	3	3	2	0 :	39
1. - 3. :	3	0	0	0	1	1	3	2	5	5	4	0	3	11	11	4	2 :	55
LT 1. :	0	1	2	2	0	3	2	1	1	2	0	2	3	5	2	2	5 :	33
TOTAL :	5	4	3	2	1	4	5	4	13	53	67	4	6	19	18	8	7	223
PERCENT	2.	2.	1.	1.	0.	2.	2.	2.	6.	24.	30.	2.	3.	9.	8.	4.	3.	100.

0 = NO OBSERVATIONS

(05/23/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL — C-b SHALE OIL PROJECT

STATION AD42 PERIOD(12/01/78 TO 12/31/78)

WIND SPEED MAX METERS/SEC		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
		3	9	3	3	4	3	4	6	19	10	13	12	10	9	5	5	0	
GT	11. :	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0 :	2
8. -	11. :	0	1	0	0	0	0	0	0	2	9	4	3	4	1	0	0	0 :	24
5. -	8. :	0	0	0	0	0	0	0	1	13	28	6	2	0	0	0	0	0 :	55
3. -	5. :	0	2	0	0	2	0	3	5	7	16	5	4	9	12	16	7	0 :	88
1. -	3. :	7	12	18	66	52	54	56	16	19	7	10	20	32	27	36	13	0 :	445
LT	1. :	0	2	0	0	1	0	0	0	0	0	0	0	0	2	1	1	0 :	7
TOTAL	:	7	17	18	66	55	54	59	22	46	60	26	30	45	42	58	21	0	621
PERCENT		1.	3.	3.	11.	9.	9.	10.	4.	7.	10.	4.	5.	7.	7.	9.	3.	0.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL — C-B SHALE OIL PROJECT

STATION AD56 PERIOD(12/01/78 TO 12/31/78)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	2	0	0	1	2	3	3	3	5	6	4	2	1	2	2	1	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
5. - 8. :	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0 :	3
3. - 5. :	0	0	0	0	0	0	0	0	2	11	1	0	0	0	0	0	0 :	14
1. - 3. :	2	0	0	1	2	7	9	6	12	8	5	1	4	1	4	4	0 :	66
LT 1. :	0	0	0	0	2	1	0	0	0	0	0	0	0	0	1	2	0 :	6
TOTAL :	2	0	0	1	4	8	9	6	14	22	6	1	4	1	5	6	0	89
PERCENT	2.	0.	0.	1.	4.	9.	10.	7.	16.	25.	7.	1.	4.	1.	6.	7.	0.	100.

0 = NO OBSERVATIONS

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 20
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-hr.	1	16	00	13.5	$\mu g/m^3$
		2	28	00	13.5	$\mu g/m^3$
		3	31	00	11.2	$\mu g/m^3$
		4	13	00	10.3	$\mu g/m^3$
		5	22	00	7.1	$\mu g/m^3$
OZONE	1-hr.	1	29	19	192.3	$\mu g/m^3$
		2	29	18	180.5	$\mu g/m^3$
		3	29	17	166.8	$\mu g/m^3$
		4	29	13	157.0	$\mu g/m^3$
		5	29	14	151.1	$\mu g/m^3$
CO	1-hr.	1	28	11	300.0	$\mu g/m^3$
		2	5	10	200.0	$\mu g/m^3$
		3	5	16	200.0	$\mu g/m^3$
		4	5	17	200.0	$\mu g/m^3$
		5	5	18	200.0	$\mu g/m^3$
CO	8-hr.	1	18	12	200.0	$\mu g/m^3$
		2	20	2	100.0	$\mu g/m^3$
		3	21	4	100.0	$\mu g/m^3$
		4	5	10	100.0	$\mu g/m^3$
		5	30	15	100.0	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 23
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-hr.	1	13	00	8.0	$\mu g/m^3$
		2	19	00	7.3	$\mu g/m^3$
		3	28	00	7.3	$\mu g/m^3$
		4	31	00	5.9	$\mu g/m^3$
		5	4	00	4.0	$\mu g/m^3$
CARBON MONOXIDE	1-hr.	1	14	13	500.0	$\mu g/m^3$
		2	15	13	500.0	$\mu g/m^3$
		3	20	2	500.0	$\mu g/m^3$
		4	20	3	500.0	$\mu g/m^3$
		5	20	4	500.0	$\mu g/m^3$
	8-hr.	1	20	2	300.0	$\mu g/m^3$
		2	15	9	200.0	$\mu g/m^3$
		3	11	8	200.0	$\mu g/m^3$
		4	14	10	200.0	$\mu g/m^3$
		5	18	14	200.0	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER 23
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
SULFUR DIOXIDE	3-hr.	1	--	--	0	$\mu g/m^3$
		2	--	--	0	$\mu g/m^3$
		3	--	--	0	$\mu g/m^3$
		4	--	--	0	$\mu g/m^3$
		5	--	--	0	$\mu g/m^3$
SULFUR DIOXIDE	24-hr.	1	--	--	0	$\mu g/m^3$
		2	--	--	0	$\mu g/m^3$
		3	--	--	0	$\mu g/m^3$
		4	--	--	0	$\mu g/m^3$
		5	--	--	0	$\mu g/m^3$
OZONE	1-hr.	1	14	20	94.2	$\mu g/m^3$
		2	14	21	94.2	$\mu g/m^3$
		3	14	18	92.2	$\mu g/m^3$
		4	14	19	92.2	$\mu g/m^3$
		5	14	22	92.2	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE 42
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-hr.	1	13	00	5.6	$\mu g/m^3$
		2	31	00	5.0	$\mu g/m^3$
		3	11	00	2.7	$\mu g/m^3$
		4	7	00	1.5	$\mu g/m^3$
		5	19	00	.7	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE 56
DEC. 1978
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-hr.	1	28	00	8.6	$\mu g/m^3$
		2	13	00	8.5	$\mu g/m^3$
		3	4	00	6.6	$\mu g/m^3$
		4	16	00	6.6	$\mu g/m^3$
		5	31	00	5.4	$\mu g/m^3$

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 20
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	CO	SO_2	H_2S
MULTIPOINT RECORDER	99	99	99	91	99		
DATA ACQUISITION SYSTEM	0	0	0	0	0		
OTHER SYSTEMS							
MONTHLY TOTAL	99	99	99	91	99		

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 20
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

	WS	WD	TEMP	INVERS. HT	STB 50m	STB 200m	PART	PREC.
MULTIPOINT RECORDER	99	96	99					
DATA ACQUISITION SYSTEM	0	0	0					
OTHER SYSTEMS				54	54	54	100	71
MONTHLY TOTAL	99	96	99	54	54	54	100	71

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	SO_2	H_2S	CO	BAR PRESS.	SOLAR RAD.
MULTIPOINT RECORDER	98	98	98	97	98	98	98	98	98
DATA ACQUISITION SYSTEM	0	0	0	0	0	0	0	0	0
OTHER SYSTEMS									
MONTHLY TOTALS	98	98	98	97	98	98	98	98	98

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC

	SIGMA HWD 10m	SIGMA HWD 30m	SIGMA HWD 60m	WS 10m	WS 30m	WS 60m	WD 10m	WD 30m	WD 60m
MULTIPOINT RECORDER	98		100	98	45	31	98	94	98
DATA ACQUISITION SYSTEM	0		0	0	0	0	0	0	0
OTHER SYSTEMS									
MONTHLY TOTALS	98		100	98	45	31	98	94	98

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER 23
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

	TMP 10m	TMP 30m	TMP 60m	DT 60-10m	RH	PART	PREC
MULTIPOINT RECORDER	98	98	98	98			
DATA ACQUISITION SYSTEM	0	0	0	0			
OTHER SYSTEMS					97	100	67
MONTHLY TOTALS	98	98	98	98	97	100	67

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE 042
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	83	84	84	60
MONTHLY TOTALS	83	84	84	60

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE 056
DECEMBER 1978
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	15	12	12	100
MONTHLY TOTALS	15	12	12	100

DATA REPORT

AIR MONITORING REPORT
FOR
PROTOTYPE OIL SHALE LEASE TRACT C-B

JANUARY 1979

Submitted July 15, 1979

PREPARED BY:
OCCIDENTAL OIL SHALE, INC. OPERATOR
P.O. BOX 2687
GRAND JUNCTION, COLORADO 81502

SITE AB20	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO									X								
NOX									X								
NO2									X								
O3									X								
CO									X								
SO2																	
H2S																	
PARTICULATE									X								
WIND SPEED									X								
WIND DIRECTION									X								
TEMPERATURE									X								
PRECIPITATION									X								
INVERSION HGT.									X								
STABILITY CLS 50M									X								
STABILITY CLS 200M									X								

SITE AB23 & AA23	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO									X								
NOX									X								
NO2									X								
O3									X								
CO									X								
SO2									X								
H2S									X								
PARTICULATE									X								
WIND SPEED 10M									X								
WIND SPEED 30M									X								
WIND SPEED 60M									X								
WIND DIRECTION 10M									X								
WIND DIRECTION 30M									X								
WIND DIRECTION 60M									X								
SIGMA HOR WD 10M									X								
SIGMA HOR WD 30M																	
SIGMA HOR WD 60M									X								
TEMPERATURE 10M									X								
TEMPERATURE 30M									X								
TEMPERATURE 60M									X								
DELTA T 60-10M									X								
PRECIPITATION									X								
EVAPORATION																	
RELATIVE HUMIDITY									X								
SOLAR RADIATION									X								
BAROMETRIC PRESS.									X								

	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
SITE AD42																
WIND SPEED 10M									X							
WIND DIRECTION 10M									X							
TEMPERATURE 10M									X							
PARTICULATE									X							
SITE AD56																
WIND SPEED 10M																
WIND DIRECTION 10M																
TEMPERATURE 10M																
PARTICULATE									X							
SUMMARY REPORTS																
STAB. CLASS DT/DZ									X							
FREQUENCY TABLES -																
GASES vs WD AB20									X							
" " AB23									X							
FREQUENCY TABLES-																
WS vs WD AB20									X							
" " AB23									X							
5 MAX IND. SLIDING																
AVERAGES AB20									X							
" AB23									X							
" AD42									X							
" AD56									X							
DATA COLLECTION -																
EFFICIENCY AB20									X							
" AB23									X							
" AD42									X							
" AD56									X							

SUMMARY REPORTS (Continued)	1978								1979								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
VECTOR AVERAGES																	
WD & WS AB20									X								
" AB23									X								

NITRIC OXIDE
(UG/M3)

CR-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	6	6	5	7	9	9	9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	4	9
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	6	6	9	9	9	7	9	9	9	( )	9
11	9	7	9	9	10	7	6	9	7	6	6	6	5	6	7	2	0	0	0	0	0	0	0	0	5	10
12	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	5	2	0	0	0	0	1	5
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
PK	9	7	9	9	10	7	6	9	7	6	9	7	9	9	9	6	6	9	9	9	7	9	9	9		10

II B-570

(07/79-PPI)

NITRIC OXIDE
(UG/M3)

CR-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	6	12	6	12	6	0	0	0	0	0	0	0	0	2	12
9	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	0	0	0	0	0	0	0	0	0
20	0	3	12	14	5	2	1	1	1	1	3	5	5	3	3	4	12	5	2	1	1	1	2	3	4	14
21	4	7	9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	9
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	9	9	8	8	8	7	7	3	12
24	7	7	6	6	6	6	6	6	6	5	8	4	4	4	4	4	3	3	4	3	3	3	3	3	5	8
25	3	3	3	3	3	3	2	3	3	2	1	3	4	3	2	0	1	0	1	0	0	0	0	0	2	4
26	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	(IM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	
PK	7	7	12	14	6	6	6	6	6	5	8	6	12	6	12	6	12	9	9	8	8	8	7	7		14

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	9	19	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	19
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	4	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4
6	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	2	0	0	0	0	0	0	0	4
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	2	0	0	4	0	0	0	0	0	0	4
9	0	0	0	0	0	0	0	2	21	23	23	34	38	38	43	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	15	43
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	28	28	28	24	28	32	28	28	36	( )	36
11	34	34	32	36	34	38	32	39	38	41	36	38	34	38	38	19	0	0	0	0	0	0	0	0	23	41
12	0	0	0	0	0	0	0	0	0	0	0	0	2	9	9	6	9	15	9	4	0	0	0	0	3	15
13	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
18	0	0	0	0	0	0	0	0	9	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	9
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	2
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
31	0	0	0	0	0	0	0	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
AV	1	1	1	1	1	1	1	2	3	3	2	3	3	3	3	2	2	2	1	1	1	1	1	1	2	
PK	34	34	32	36	34	38	32	39	38	41	36	38	38	38	43	28	28	28	24	28	32	28	28	36		43

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	9	19	19	23	13	2	0	0	0	0	0	0	4	23
9	0	0	0	0	0	0	0	0	0	0	(CA)	2	2	0	0	0	0	0	0	0	2	0	0	0	0	2
10	0	0	0	0	0	0	2	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	4
18	0	0	0	0	0	2	0	0	0	2	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	(IM)	0	0	0	0	0	0	0	0	3
20	0	8	27	30	14	38	5	0	12	0	0	2	1	0	1	1	5	17	10	5	4	3	3	3	8	38
21	3	4	4	3	3	4	5	5	4	5	7	6	7	7	7	6	6	5	4	4	5	5	4	4	5	7
22	3	4	3	4	4	3	3	4	4	2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	2	16
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	24	23	23	22	22	21	20	19	7	24
24	19	19	18	19	17	16	16	16	15	14	29	15	13	13	16	14	13	13	13	12	12	15	15	13	16	29
25	12	14	12	12	11	10	10	14	12	11	8	11	14	12	13	7	5	4	4	3	1	0	0	0	8	14
26	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	(IM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	1	2	2	2	2	2	1	1	2	1	2	2	2	2	2	1	2	2	2	1	2	1	1	1	2	
PK	19	19	27	30	17	38	16	16	15	14	29	15	19	19	23	14	24	23	23	22	22	21	20	19		38

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	9	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	4	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4
6	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	2	2	0	0	0	0	0	0	0	4
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	2	0	0	4	0	0	0	0	0	0	4
9	0	0	0	0	0	0	0	0	11	13	9	23	24	24	30	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	9	30
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	19	19	15	11	15	21	15	15	23	( )	23
11	21	23	19	23	19	26	23	26	26	32	26	28	26	28	26	15	0	0	0	0	0	0	0	0	16	32
12	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	2	6	11	2	0	0	0	0	0	1	11
13	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	9	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	9
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
31	0	0	0	0	0	0	0	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
AV	1	1	1	1	1	1	1	1	2	3	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	
PK	21	23	19	23	19	26	23	26	26	32	26	28	26	28	30	19	19	15	11	15	21	15	15	23		32

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	9	4	4	2	0	0	0	0	0	0	0	1	9
9	0	0	0	0	0	0	0	0	0	0	(CA)	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	2	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
18	0	0	0	0	0	2	0	0	0	2	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	(IM)	0	0	0	1	1	0	0	0	2
20	0	4	9	8	7	34	3	0	12	0	0	0	0	0	0	0	0	11	7	4	3	2	1	0	4	34
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	9	9	11	9	8	9	3	11
24	9	8	9	10	8	8	8	8	7	6	16	9	7	7	10	8	8	8	8	7	7	11	10	9	9	16
25	8	10	8	8	6	6	7	9	8	8	6	7	8	8	9	6	5	3	3	2	1	0	0	0	6	10
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PK	9	10	9	10	8	34	8	9	12	8	16	9	8	9	10	8	8	11	9	9	11	11	10	9		34

OZONE
(UG/M3)

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	53	53	71	59	59	53	59	73	63	57	59	63	73	59	63	69	49	49	59	55	49	39	49	49	57	73
2	49	49	49	45	39	35	33	33	49	49	49	39	37	45	45	45	43	35	39	45	45	49	59	49	44	59
3	49	53	53	69	59	49	39	24	24	24	49	45	45	45	53	53	53	63	69	73	69	69	69	69	53	73
4	73	63	69	69	59	59	55	57	59	78	63	39	59	65	82	73	78	73	69	73	78	82	92	88	69	92
5	88	88	88	88	84	82	78	69	73	73	78	84	82	88	82	92	88	73	78	73	69	78	69	69	80	92
6	73	78	88	82	84	88	84	84	88	88	84	88	88	98	98	98	92	84	78	73	78	78	78	78	85	98
7	69	65	73	71	73	73	73	73	88	98	100	102	108	112	112	92	78	84	78	78	78	78	78	92	84	112
8	88	88	88	88	78	92	69	53	53	59	73	78	88	78	78	78	69	69	59	63	63	69	69	73	73	92
9	78	78	73	88	88	88	78	73	73	78	78	84	88	92	92	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	82	92
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	78	82	78	82	82	84	88	90	90	( )	90
11	88	82	82	78	78	80	88	88	92	69	73	73	69	67	59	59	59	71	55	55	49	53	55	55	70	92
12	53	53	49	53	49	51	49	65	71	69	73	69	55	53	51	59	59	53	53	59	59	59	59	53	57	73
13	59	55	59	53	59	63	59	59	57	49	55	63	59	59	57	63	59	53	57	55	49	45	43	47	56	63
14	45	51	63	63	59	63	67	74	78	69	69	69	71	73	88	88	98	88	73	82	82	82	84	78	73	98
15	76	76	69	65	59	59	59	63	69	69	65	73	69	69	69	71	74	74	74	69	71	65	69	76	69	76
16	69	65	67	63	63	53	51	39	45	61	59	59	53	65	73	71	69	57	59	57	55	49	51	51	58	73
17	51	49	53	53	51	53	49	45	47	59	69	69	63	69	69	73	69	59	59	61	59	63	69	65	59	73
18	57	55	49	47	51	59	49	33	29	39	39	59	74	80	82	88	84	84	82	82	76	76	73	74	64	88
19	78	69	69	67	67	59	63	61	71	76	76	69	69	74	76	73	49	53	45	39	49	49	39	53	62	78
20	43	45	49	43	29	29	35	27	29	39	35	41	39	49	51	55	59	59	59	57	59	59	59	57	46	59
21	59	59	61	59	57	69	55	49	53	45	59	65	67	73	73	73	73	94	74	73	74	73	74	74	66	94
22	69	71	73	73	73	73	69	69	67	73	69	55	59	69	65	69	63	63	59	49	59	63	67	63	66	73
23	51	69	59	53	53	53	69	63	82	69	63	35	39	41	49	57	51	76	76	65	59	59	65	76	60	82
24	69	69	73	73	59	59	57	49	51	53	59	61	69	73	49	49	49	45	49	43	49	51	59	39	56	73
25	39	41	45	45	39	43	39	37	35	37	43	31	27	33	39	39	45	49	49	82	78	53	39	39	44	82
26	39	29	29	39	39	39	41	37	35	39	37	37	35	29	35	39	35	49	45	45	39	31	27	31	37	49
27	37	37	33	29	74	35	29	31	29	65	76	45	45	47	49	49	49	47	45	51	51	49	49	47	46	76
28	45	45	39	39	39	37	29	29	35	39	57	41	51	55	49	49	49	49	49	45	25	39	37	35	42	57
29	31	35	37	35	35	29	27	43	45	45	47	45	49	49	57	51	49	47	43	43	37	39	41	45	42	57
30	39	41	43	33	43	39	45	43	49	47	41	43	49	57	59	57	57	57	55	47	47	45	45	41	47	59
31	39	35	39	35	35	29	29	24	29	29	20	20	22	24	25	31	29	31	35	35	39	39	35	41	31	41
AV	59	58	60	59	58	56	54	52	56	58	60	58	60	63	64	65	62	62	60	60	59	59	60	60	59	
PK	88	88	88	88	88	92	88	88	92	98	100	102	108	112	112	98	98	94	82	82	84	88	92	92		112

OZONE
(UG/M3)

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	84	82	78	73	73	73	69	71	69	71	71	73	73	74	76	76	76	74	74	76	74	74	73	73	74	84
2	73	73	73	74	74	74	78	78	76	78	78	78	78	84	84	84	84	84	84	86	84	82	84	82	80	86
3	82	84	82	84	82	80	82	80	80	82	82	82	82	84	84	82	82	82	82	80	78	78	78	76	82	84
4	78	76	76	78	78	76	76	74	74	74	74	74	76	78	78	78	78	73	73	73	73	69	71	73	75	78
5	71	71	69	71	73	73	73	73	73	74	74	74	78	78	78	78	76	76	76	82	80	78	78	73	75	32
6	73	73	73	74	76	78	74	76	78	78	78	84	78	80	86	86	88	88	78	78	82	79	74	76	79	88
7	74	76	76	76	76	74	76	78	78	74	78	84	88	88	92	92	92	90	88	92	88	90	90	88	84	92
8	88	84	86	86	82	84	88	88	88	86	80	76	71	80	69	78	86	90	92	90	88	90	92	90	85	92
9	88	88	88	88	88	84	84	84	82	82	69	69	74	78	84	82	82	82	82	82	78	82	84	86	82	88
10	82	82	80	74	82	82	78	78	82	82	78	78	78	(CA)	76	76	78	78	78	78	78	78	78	78	79	82
11	78	78	78	78	76	76	74	78	76	78	78	76	74	71	71	71	71	71	71	69	69	67	67	65	73	78
12	63	65	65	65	65	63	63	65	65	65	63	65	69	69	71	73	73	78	74	74	76	74	74	73	69	78
13	74	73	74	73	73	73	71	73	73	65	73	74	78	82	82	80	78	80	78	78	80	78	78	82	76	82
14	82	82	82	82	82	78	78	78	78	80	82	82	82	82	82	80	80	82	82	82	82	80	82	82	81	82
15	78	78	76	76	76	74	74	74	74	74	78	82	82	80	82	82	82	82	80	78	78	78	78	78	79	82
16	78	76	76	76	76	74	74	74	73	74	74	74	76	76	80	78	78	78	80	82	78	78	80	80	77	82
17	78	78	76	73	71	71	65	65	65	65	69	73	73	73	69	74	76	67	71	69	67	78	78	73	71	78
18	71	65	69	69	67	65	65	59	61	73	76	78	78	82	(CA)	76	78	78	78	76	74	74	74	69	72	82
19	69	73	73	67	67	63	55	57	61	74	74	78	78	82	84	86	(IM)	84	82	82	79	78	77	76	74	86
20	75	75	192	164	86	75	75	84	195	80	79	97	84	127	82	81	82	246	203	81	78	80	90	80	108	246
21	80	81	81	80	79	79	78	78	78	76	78	80	80	80	80	79	78	78	78	79	79	79	76	77	79	81
22	77	77	76	76	76	76	75	75	74	80	86	85	84	83	78	76	72	70	67	72	65	71	66	66	75	86
23	70	71	72	72	73	74	74	74	74	74	76	78	80	81	82	112	81	80	80	80	81	82	83	83	79	112
24	82	82	82	82	82	82	81	81	81	83	83	83	84	84	84	83	83	83	82	82	85	89	89	89	83	89
25	88	83	86	83	80	80	78	81	75	79	79	79	80	81	81	89	90	89	87	85	85	86	78	80	83	90
26	83	78	77	77	76	74	72	71	70	71	72	131	75	76	77	78	80	82	81	79	81	80	79	79	79	131
27	76	77	77	79	79	79	80	81	80	79	84	87	87	87	89	91	92	91	93	93	92	91	91	90	85	93
28	90	88	88	88	88	87	87	87	86	85	86	89	91	89	89	90	89	90	88	84	81	80	79	78	87	91
29	78	78	77	81	(IM)	73	78	78	78	78	80	82	82	82	84	78	78	82	88	88	82	88	88	86	81	88
30	82	82	82	80	86	84	84	88	82	78	82	88	90	90	92	92	96	96	96	94	88	88	88	92	83	96
31	92	90	90	88	88	86	88	86	84	86	82	84	84	84	84	84	86	86	86	82	78	80	82	78	85	92
AV	79	78	82	80	78	76	76	76	80	77	77	81	80	82	81	82	82	87	85	81	80	80	80	79	80	
PK	92	90	192	164	88	87	88	88	195	86	86	131	91	127	92	112	96	246	203	94	92	91	92	92		246

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100
2	0	0	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	0	0	0	0	100	0	100
3	100	100	0	0	100	100	100	100	100	100	100	100	0	0	100	100	100	100	100	100	100	100	0	0	100	100
4	0	0	0	100	100	100	100	100	100	200	0	0	0	100	0	0	0	0	100	100	100	100	0	0	0	200
5	0	100	100	100	100	100	100	100	100	100	100	0	0	0	500	500	300	300	100	100	100	100	0	100	100	500
6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	100	100	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100	100	100	100	100	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100
8	100	0	100	100	100	600	200	100	100	100	0	0	0	0	100	100	100	100	200	200	100	100	100	100	100	600
9	100	100	100	100	100	100	100	100	200	100	0	0	0	100	100	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	100	200
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	100	100	100	0	100	0	( )	100
11	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100
12	0	0	0	0	0	0	100	100	200	300	0	100	100	0	0	0	0	100	0	0	0	0	100	100	0	300
13	200	200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	100	200
14	100	0	0	0	0	0	100	100	100	100	0	0	0	0	0	100	100	100	0	0	0	0	100	100	0	100
15	100	0	0	0	0	0	100	100	100	100	100	0	0	100	100	100	100	100	100	100	100	100	100	100	0	100
16	100	100	100	100	100	100	100	100	200	100	100	100	100	0	0	0	0	0	100	100	100	100	0	0	100	200
17	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	100	0	0	0	0	100	100	0	0	0	100
18	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	100
19	0	100	100	100	100	100	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	100	100
20	0	0	0	0	100	0	100	0	0	0	0	0	0	100	100	0	0	0	100	100	100	100	0	100	0	100
21	100	100	100	100	100	100	100	100	100	100	0	0	0	100	100	0	0	0	100	0	0	0	0	0	0	100
22	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	100	100	200	0	200
23	100	100	100	100	100	100	100	100	100	100	100	0	0	0	100	100	100	0	100	100	100	100	0	0	0	100
24	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	100	100	100	100	200	100	100	100	100	0	200
25	100	100	0	0	0	100	200	200	200	200	100	0	0	0	0	0	0	0	0	0	0	0	100	100	100	200
26	100	100	100	100	100	100	0	100	100	100	100	100	100	100	0	0	0	100	0	0	0	0	0	0	0	100
27	0	0	0	0	0	0	0	100	100	100	0	100	0	0	0	0	0	0	0	0	0	100	100	100	0	100
28	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
29	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	0	100
30	100	100	100	100	100	100	100	100	100	100	0	100	100	100	100	100	0	100	100	100	100	100	100	100	100	100
31	100	100	100	100	100	0	0	100	100	100	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	100
AV	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0	100	0	100	0	0	0	0	0	0	0	
PK	200	200	100	100	100	600	200	200	200	300	100	100	100	100	500	500	300	300	200	200	100	100	100	200		600

CARBON MONOXIDE
(UG/M3)

OB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	100
3	0	0	0	0	0	0	100	100	100	100	100	200	100	200	300	100	0	0	0	100	100	100	100	100	100	300
4	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
5	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	100	100	100	100	100	100
6	100	0	0	0	100	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	100	100
8	0	100	0	0	0	100	100	100	100	100	100	100	100	100	200	200	100	0	0	0	0	0	0	100	100	200
9	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100	100	100	300	300	500	300	0	0	0	0	100	0	0	0	100	100	500
11	100	100	100	100	100	100	100	0	0	0	100	100	0	100	100	100	100	100	100	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
13	0	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	100	100	100	100	0	100
14	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	100	100	100	100	100	0	0	0	0	100
15	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	100
16	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	100	100	200	100	0	0	0	100	100	0	200
17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	200	500	500	300	200	0	0	0	100	100	500
18	100	100	100	100	100	100	100	100	0	0	0	0	0	100	500	600	100	100	100	100	100	100	100	100	100	600
19	100	100	100	100	100	100	100	100	100	100	300	300	200	200	(CA)	500	(IM)	(CA)	(CA)	100	0	0	0	0	100	500
20	0	0	0	0	0	0	0	200	200	200	100	0	100	100	0	400	500	600	600	400	400	400	400	300	200	600
21	300	300	300	300	300	300	400	600	700	600	600	600	500	500	500	300	300	300	400	400	400	400	300	300	400	700
22	200	300	200	200	300	400	500	300	300	(CA)	300	500	500	500	500	200	100	0	0	200	200	100	200	200	300	500
23	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	100	0	0	100	300	300	300	200	100	100	300
24	100	100	100	0	100	200	200	200	100	100	(CA)	200	100	100	100	100	100	200	200	500	400	400	400	0	200	500
25	100	100	0	0	0	100	200	300	200	(CA)	300	400	300	400	400	300	300	300	300	100	0	0	0	100	200	400
26	200	200	100	200	200	200	200	300	300	300	400	(CA)	(CA)	(CA)	(CA)	500	300	200	200	300	300	300	400	200	300	500
27	100	100	100	200	200	200	100	200	300	300	300	300	300	200	200	0	0	0	0	100	200	100	100	300	200	300
28	300	300	300	300	400	400	400	200	200	300	200	300	300	300	200	200	200	200	100	0	0	0	0	100	200	400
29	100	200	100	100	(IM)	0	0	100	100	100	0	100	200	200	100	100	100	100	100	100	100	100	100	100	100	200
30	0	0	100	0	100	100	0	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	100
31	0	0	0	0	0	0	0	100	100	100	100	100	0	100	100	100	100	100	100	0	0	0	0	100	0	100
AV	100	100	100	100	100	100	100	100	100	100	100	100	100	200	200	100	100	100	100	100	100	100	100	100	100	
PK	300	300	300	300	400	400	500	600	700	600	600	600	500	500	500	600	500	600	600	500	400	400	400	300		700

SULFUR DIOXIDE
(UG/M3)

CR-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	3	0	0	13	13	(CA)	(CA)	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	1	13
11	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	0	1	1	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	1
22	1	1	1	1	1	1	0	0	0	0	1	1	1	0	1	0	1	1	1	0	0	0	1	1	0	1
23	1	0	0	0	0	1	1	1	0	1	1	1	1	0	1	11	1	1	1	1	1	1	1	1	1	11
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
26	1	1	0	1	1	1	1	1	1	1	1	(CA)	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	(IM)	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	1	1	1	1	3	1	1	13	13	1	1	1	1	1	1	11	1	1	1	1	1	1	1	1		13

HYDROGEN SULFIDE
(UG/M3)

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	12
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	(IM)	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	12	0	0	0	0	0	0	0	0		12

PARTICULATE DATA 24-HOUR AVERAGE (ug/m^3)

C-b TRACT

OCCIDENTAL OIL SHALE, INC.

YR	MO	DY	AB20	AB23	AD42*	AD56
79	1	3	17.1	7.0	-	9.3
79	1	6	9.2	6.1	2.7	7.4
79	1	9	8.7	2.9	8.7	5.2
79	1	12	13.4	7.9	11.0	10.2
79	1	15	5.8	5.2	8.7	7.6
79	1	18	4.7	0.8	-	1.4
79	1	21	2.9	5.0	7.6	7.1
79	1	24	3.7	1.3	4.5	1.3
79	1	27	7.7	1.7	-	0.9
79	1	30	24.9	12.1	-	12.6
		AV	9.8	5.0	7.2	6.3
		GM	8.0	3.8	6.8	4.6
		PK	24.9	12.1	11.0	12.6

* Trailer AD42 discontinued on the 27th.

WIND SPEED @10M
METERS/SEC

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	1	1	2	3	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	4	3	5	4	2	5
2	4	6	5	4	4	4	4	4	4	4	3	4	3	4	4	3	4	3	3	2	4	3	4	3	4	6
3	3	4	4	4	3	2	0	1	1	1	3	1	4	4	4	3	3	3	3	2	3	1	1	2	2	4
4	2	1	2	1	2	1	1	1	1	1	2	2	3	3	2	2	1	2	3	2	1	2	3	2	2	3
5	2	2	1	0	1	1	1	1	1	2	2	2	2	3	1	0	1	2	4	4	2	0	0	0	2	4
6	1	1	1	2	2	1	1	1	1	3	3	1	2	1	1	1	1	1	2	1	1	1	1	0	1	3
7	1	2	2	2	2	3	2	2	3	4	3	1	1	2	2	2	1	2	2	2	2	2	1	1	2	4
8	1	1	1	1	1	1	1	(CM)	(CM)	1	1	2	2	2	2	2	1	1	1	(CM)	1	1	0	1	1	2
C	1	1	1	3	5	4	2	0	2	2	2	1	1	1	2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	2	5
10	(PF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	3	2	2	2	2	2	2	2	3	( )	3
11	3	2	1	2	3	2	2	2	3	2	3	2	3	4	5	5	5	4	4	3	3	2	3	2	3	5
12	1	1	0	1	1	1	1	1	1	2	1	1	1	1	4	2	1	0	1	2	2	4	3	3	2	4
13	3	1	1	1	2	2	2	3	0	1	1	0	1	2	1	1	0	2	2	2	3	2	4	3	2	4
14	3	3	5	4	6	5	2	5	5	3	4	3	2	3	3	4	3	5	4	2	3	2	1	2	3	6
15	2	1	2	1	1	1	1	1	1	2	2	3	3	3	1	3	1	2	4	2	1	2	2	1	2	4
16	1	1	1	1	2	1	1	1	2	2	2	4	4	3	3	2	1	1	1	1	1	2	3	2	2	4
17	3	2	2	1	0	1	0	1	1	1	1	1	2	2	2	0	0	1	1	2	2	4	2	1	1	4
18	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	0	1	0	1	1	1	1	1	2
19	0	1	1	0	0	0	1	2	3	2	4	2	3	2	2	2	2	2	1	1	1	1	2	1	2	4
20	1	1	1	2	2	1	1	2	2	1	0	1	0	1	1	(CM)	1	1	2	1	2	1	2	1	1	2
21	2	3	2	1	4	1	2	1	1	1	4	5	4	4	3	4	4	2	2	1	2	2	1	1	2	5
22	1	1	1	1	1	2	2	1	3	5	5	6	4	4	3	4	4	3	1	3	1	1	2	2	3	6
23	2	1	2	3	4	4	4	2	2	4	3	1	1	3	3	2	2	1	2	2	4	5	5	5	3	5
24	4	5	5	4	3	2	3	2	1	2	2	6	6	4	3	1	2	2	1	1	2	1	0	1	3	6
25	1	1	1	2	1	0	0	1	2	1	1	0	1	3	4	4	5	4	2	1	0	0	0	0	2	5
26	0	0	1	1	2	3	3	3	4	4	4	4	3	4	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	4
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	4	3	3	2	1	1	0	2	2	2	( )	4
30	2	2	2	2	3	3	3	4	4	2	1	2	2	1	1	0	0	1	2	2	1	1	4	4	2	4
31	4	4	2	2	1	2	2	1	7	4	1	1	3	3	4	3	3	3	2	3	2	1	2	2	3	7
AV	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
PK	4	6	5	4	6	5	4	5	7	5	5	6	6	4	5	5	5	5	4	4	4	5	5	5		7

II B-583

(06/07/79-RP1)

WIND SPEED @ 10M
METERS/SEC

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	2	2	3	1	1	2	1	1	1	1	1	2	1	1	0	1	2	3	1	2	1	1	1	1	3
2	2	2	2	2	1	1	2	3	2	3	3	6	7	4	5	5	4	3	4	4	3	3	2	1	3	7
3	2	2	3	4	3	1	1	1	1	3	3	5	7	6	6	5	3	2	1	0	1	1	1	1	3	7
4	4	2	2	4	6	2	8	7	7	5	6	6	4	5	7	5	5	7	6	4	6	5	4	5	5	8
5	5	8	6	5	5	5	4	4	3	3	4	2	2	1	1	1	1	1	2	3	2	1	1	0	3	8
6	0	1	1	1	1	(CM)	1	1	1	1	1	1	1	1	0	0	0	1	1	1	2	1	1	1	1	2
7	1	1	1	1	0	(CM)	1	0	0	0	1	1	1	1	0	1	2	2	2	1	2	0	1	2	1	2
8	1	1	2	1	0	1	1	1	1	1	1	1	1	(CM)	1	1	2	2	1	1	1	1	2	1	1	2
9	1	2	2	2	3	3	2	1	1	1	1	0	1	0	1	1	2	2	2	1	0	1	1	1	1	3
10	1	1	2	1	2	1	0	0	1	1	0	1	0	2	5	4	4	4	4	4	3	3	4	4	2	5
11	4	3	6	4	7	8	8	6	3	4	5	5	6	6	5	8	3	4	4	4	3	6	9	10	5	10
12	8	7	7	8	9	8	8	8	7	7	5	5	4	4	3	2	3	2	4	4	5	4	4	4	5	9
13	2	1	1	2	1	2	1	1	1	1	(CM)	1	1	2	1	1	1	1	3	3	1	1	1	2	1	3
14	1	5	3	2	2	3	3	3	2	3	2	1	4	5	4	4	7	5	4	4	4	2	1	3	3	7
15	5	8	8	6	5	4	6	7	8	3	4	8	5	5	3	5	5	6	6	7	6	7	5	7	6	8
16	5	2	3	3	3	4	5	5	4	6	6	7	5	3	4	4	3	3	3	3	2	2	3	1	4	7
17	2	1	3	1	0	0	2	1	0	1	0	0	0	2	2	1	1	1	3	1	2	5	5	5	2	5
18	3	2	1	1	2	2	1	1	1	1	1	3	2	4	4	3	3	3	2	1	1	1	1	1	2	4
19	1	0	0	1	0	0	1	1	2	2	3	2	1	4	3/	3	(IM)	3	2	1	1	1	1	1	2	4
20	1	0	(CM)	1	1	1	1	2	2	2	2	1	1	1	1	2	3	2	2	1	2	1	1	1	1	3
21	1	1	1	1	2	2	2	2	2	1	2	3	3	4	4	3	2	1	2	2	2	2	2	2	2	4
22	5	9	7	6	5	7	7	7	5	5	5	5	5	6	5	5	6	5	3	2	2	1	2	1	5	9
23	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	4	2	2	2	2	2	2	4
24	2	2	2	3	4	1	1	2	2	3	3	3	3	3	4	4	2	2	1	1	3	2	1	2	2	4
25	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	3	2	1	1	1	1	1	1	1	3
26	1	1	2	2	2	2	2	2	2	3	3	4	4	4	4	3	4	4	3	3	2	1	1	1	3	4
27	1	1	1	1	1	1	1	1	1	1	2	3	4	4	4	4	3	4	4	2	2	2	2	1	2	4
28	1	1	1	1	1	1	1	1	2	1	2	2	2	2	1	3	2	3	2	2	2	1	0	1	1	3
29	1	1	1	1	(IM)	1	2	2	3	2	2	2	2	2	4	3	3	3	2	2	1	1	2	1	2	4
30	0	0	1	1	1	1	0	0	1	1	1	1	2	3	4	3	4	3	4	2	1	1	1	3	2	4
31	1	1	2	1	1	1	2	2	2	3	4	4	4	4	5	4	3	3	2	1	0	1	2	1	2	5
AV	2	2	3	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	
PK	8	9	8	8	9	8	8	8	8	7	6	8	7	6	7	8	7	7	6	7	6	7	9	10		10

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	0	1	2	0	0	0	(IM)	0	(IM)	(IM)	1	2	1	0	(CM)	(IM)	(IM)	1	2	3	(IM)	0	(IM)	1	3
2	0	1	1	0	0	0	1	5	0	2	3	2	2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	1	5
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	9	8	( )	9
12	6	4	4	4	11	7	7	8	5	3	1	2	1	0	1	(IM)	(IM)	(IM)	1	2	3	1	0	(IM)	4	11
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	(IM)	(IM)	(IM)	( )	0
14	(IM)	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	2	2	0	3	3	1	0	0	(IM)	(IM)	2	( )	3
15	1	6	4	3	4	0	2	2	4	(IM)	1	4	4	0	1	4	3	3	3	4	5	4	4	4	3	6
16	0	(IM)	(IM)	0	(IM)	0	3	3	2	2	3	4	4	(IM)	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	4
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	2	2	1	( )	2
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	1	2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	2
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	6	7	7	7	6	7	8	6	3	3	3	(IM)	(IM)	(IM)	6	8
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	3	3	4	3	6	(IM)	(IM)	(IM)	(IM)	(IM)	( )	6
24	(IM)	3	2	4	5	(IM)	(IM)	(IM)	(IM)	3	3	3	3	3	4	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
26	(IM)	(IM)	(IM)	(IM)	(IM)	2	(IM)	(IM)	(IM)	(IM)	(IM)	5	5	5	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	6	6	4	4	11	7	7	8	5	5	6	7	7	7	6	7	8	6	6	4	5	4	4	8		11

WIND SPEED @ 10M
METERS/SEC

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	2	2	3	1	1	2	1	1	1	1	1	2	1	1	0	1	2	3	1	2	1	1	1	1	3
2	2	2	2	2	1	1	2	3	2	3	3	6	7	4	5	5	4	3	4	4	3	3	2	1	3	7
3	2	2	3	4	3	1	1	1	1	3	3	5	7	6	6	5	3	2	1	0	1	1	1	1	3	7
4	4	2	2	4	6	2	8	7	7	5	6	6	4	5	7	5	5	7	6	4	6	5	4	5	5	8
5	5	8	6	5	5	5	4	4	3	3	4	2	2	1	1	1	1	1	2	3	2	1	1	0	3	8
6	0	1	1	1	1	(CM)	1	1	1	1	1	1	1	1	0	0	0	1	1	1	2	1	1	1	1	2
7	1	1	1	1	0	(CM)	1	0	0	0	1	1	1	1	0	1	2	2	2	1	2	0	1	2	1	2
8	1	1	2	1	0	1	1	1	1	1	1	1	1	(CM)	1	1	2	2	1	1	1	1	2	1	1	2
9	1	2	2	2	3	3	2	1	1	1	1	0	1	0	1	1	2	2	2	1	0	1	1	1	1	3
10	1	1	2	1	2	1	0	0	1	1	0	1	0	2	5	4	4	4	4	4	3	3	4	4	2	5
11	4	3	6	4	7	8	8	6	3	4	5	5	6	6	5	8	3	4	4	4	3	6	9	10	5	10
12	8	7	7	8	9	8	8	8	7	7	5	5	4	4	3	2	3	2	4	4	5	4	4	4	5	9
13	2	1	1	2	1	2	1	1	1	1	(CM)	1	1	2	1	1	1	1	3	3	1	1	1	2	1	3
14	1	5	3	2	2	3	3	3	2	3	2	1	4	5	4	4	7	5	4	4	4	2	1	3	3	7
15	5	8	8	6	5	4	6	7	8	3	4	8	5	5	3	5	5	6	6	7	6	7	5	7	6	8
16	5	2	3	3	3	4	5	5	4	6	6	7	5	3	4	4	3	3	3	3	2	2	3	1	4	7
17	2	1	3	1	0	0	2	1	0	1	0	0	0	2	2	1	1	1	3	1	2	5	5	5	2	5
18	3	2	1	1	2	2	1	1	1	1	1	3	2	4	4	3	3	3	2	1	1	1	1	1	2	4
19	1	0	0	1	0	0	1	1	2	2	3	2	1	4	3	3	(IM)	3	2	1	1	1	1	1	2	4
20	1	0	(CM)	1	1	1	1	2	2	2	2	1	1	1	1	2	3	2	2	1	2	1	1	1	1	3
21	1	1	1	1	2	2	2	2	2	1	2	3	3	4	4	3	2	1	2	2	2	2	2	2	2	4
22	5	9	7	6	5	7	7	7	5	5	5	5	5	6	5	5	6	5	3	2	2	1	2	1	5	9
23	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	4	2	2	2	2	2	2	4
24	2	2	2	3	4	1	1	2	2	3	3	3	3	3	4	4	2	2	1	1	3	2	1	2	2	4
25	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	3	2	1	1	1	1	1	1	1	3
26	1	1	2	2	2	2	2	2	2	3	3	4	4	4	4	3	4	4	3	3	2	1	1	1	3	4
27	1	1	1	1	1	1	1	1	1	1	2	3	4	4	4	4	3	4	4	2	2	2	2	1	2	4
28	1	1	1	1	1	1	1	1	2	1	2	2	2	2	1	3	2	3	2	2	2	1	0	1	1	3
29	1	1	1	1	(IM)	1	2	2	3	2	2	2	2	2	4	3	3	3	2	2	1	1	2	1	2	4
30	0	0	1	1	1	1	0	0	1	1	1	1	2	3	4	3	4	3	4	2	1	1	1	3	2	4
31	1	1	2	1	1	1	2	2	2	3	4	4	4	4	5	4	3	3	2	1	0	1	2	1	2	5
AV	2	2	3	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	
PK	8	9	8	8	9	8	8	8	8	7	6	8	7	6	7	8	7	7	6	7	6	7	9	10		10

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	0	1	2	0	0	0	(IM)	0	(IM)	(IM)	1	2	1	0	(CM)	(IM)	(IM)	1	2	3	(IM)	0	(IM)	1	3
2	0	1	1	0	0	0	1	5	0	2	3	2	2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	1	5
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	9	8	( )	9
12	6	4	4	4	11	7	7	8	5	3	1	2	1	0	1	(IM)	(IM)	(IM)	1	2	3	1	0	(IM)	4	11
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	(IM)	(IM)	(IM)	(IM)	( )	0
14	(IM)	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	2	2	0	3	3	1	0	0	(IM)	(IM)	2	( )	3
15	1	6	4	3	4	0	2	2	4	(IM)	1	4	4	0	1	4	3	3	3	4	5	4	4	4	3	6
16	0	(IM)	(IM)	0	(IM)	0	3	3	2	2	3	4	4	(IM)	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	4
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	2	2	1	( )	2
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	1	2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	2
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	6	7	7	7	6	7	8	6	3	3	3	(IM)	(IM)	(IM)	6	8
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	3	3	4	3	6	(IM)	(IM)	(IM)	(IM)	(IM)	( )	6
24	(IM)	3	2	4	5	(IM)	(IM)	(IM)	(IM)	3	3	3	3	3	4	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
26	(IM)	(IM)	(IM)	(IM)	(IM)	2	(IM)	(IM)	(IM)	(IM)	(IM)	5	5	5	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	6	6	4	4	11	7	7	8	5	5	6	7	7	7	6	7	8	6	6	4	5	4	5	8		11

WIND SPEED @ 60M
METERS/SEC

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	3	3	4	2	2	2	1	1	0	1	1	3	1	1	0	1	2	2	4	5	2	3	2	2	5
2	2	3	3	2	3	1	5	5	2	3	4	6	8	5	6	7	6	4	5	7	3	2	4	2	4	8
3	3	3	4	4	4	2	3	2	2	3	4	5	7	7	3	7	4	2	2	1	1	1	2	2	3	7
4	5	4	3	6	8	3	9	9	9	4	7	6	4	7	8	7	7	9	7	7	8	7	5	7	7	9
5	9	8	8	8	8	7	7	7	5	4	4	2	2	1	2	1	1	0	2	3	2	2	1	1	4	9
6	1	1	1	1	1	0	1	1	1	2	1	1	1	1	1	0	0	1	1	1	2	1	1	1	1	2
7	2	2	1	0	0	0	1	1	0	0	0	0	1	1	1	1	2	2	1	0	1	1	1	2	1	2
8	0	1	1	1	1	1	1	1	1	1	1	(CM)	1	0	1	1	2	3	1	1	2	2	2	1	1	3
9	1	3	2	2	3	4	2	1	2	3	2	1	1	1	2	2	1	0	1	0	0	0	1	1	2	4
10	1	1	2	1	2	2	1	1	2	1	1	0	0	2	5	5	5	5	4	5	3	4	5	5	3	5
11	4	5	8	7	10	12	11	9	4	7	8	7	7	8	7	9	7	5	5	6	4	9	12	12	8	12
12	11	10	11	10	13	11	11	10	9	8	5	6	5	4	4	3	4	4	5	6	6	4	4	4	7	13
13	4	2	2	1	1	2	1	2	2	1	1	1	2	2	2	1	0	1	5	5	2	0	1	2	2	5
14	1	6	5	4	4	4	5	5	4	4	3	3	6	6	6	3	8	7	6	5	4	2	3	6	5	8
15	6	11	10	7	8	4	6	7	8	4	5	9	6	5	4	6	6	6	7	8	11	9	10	10	7	11
16	6	3	4	5	4	5	7	7	5	6	8	8	7	4	6	4	4	5	5	5	5	5	4	3	5	8
17	3	2	3	2	1	1	2	1	0	0	0	1	1	1	1	1	3	2	4	1	3	7	7	6	2	7
18	5	2	2	1	1	2	1	1	2	3	2	3	3	5	5	3	3	4	3	2	1	2	1	1	2	5
19	1	1	1	1	1	1	1	1	3	3	3	2	1	4	3	3	(IM)	4	3	3	3	1	1	(CM)	2	4
20	1	(CM)	1	1	1	1	0	1	3	3	2	1	0	1	1	2	2	4	4	1	1	2	1	1	1	4
21	1	1	1	1	2	1	1	1	1	1	2	3	4	4	4	3	3	2	3	3	3	3	2	3	2	4
22	7	11	9	8	6	9	8	9	6	6	5	6	6	6	6	6	7	6	4	3	4	2	2	1	6	11
23	2	1	1	2	2	3	2	1	1	1	1	1	1	3	3	3	4	4	6	2	2	2	3	3	2	6
24	3	3	3	5	6	2	1	2	3	4	4	3	3	4	4	4	3	3	1	2	3	2	2	2	3	6
25	1	1	2	2	1	1	2	1	1	(CM)	(CM)	0	1	1	1	2	2	2	1	1	1	1	1	1	1	2
26	1	1	2	2	2	1	2	3	3	3	3	4	5	5	5	4	4	4	4	4	3	3	2	1	3	5
27	0	1	0	1	1	2	2	1	2	2	3	4	5	5	4	5	4	5	6	5	3	2	3	1	3	6
28	1	2	3	2	2	1	1	2	2	2	2	3	3	2	2	3	2	3	3	2	2	2	1	(CM)	2	3
29	1	1	1	1	(IM)	1	1	2	3	2	2	2	2	2	3	3	3	3	2	2	1	1	1	1	2	3
30	0	1	1	1	0	0	1	1	1	0	0	1	2	4	4	2	4	6	6	3	2	2	3	3	2	6
31	4	4	2	3	4	4	3	3	2	3	4	5	5	5	6	4	4	3	2	1	0	2	2	1	3	6
AV	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	4	4	3	3	3	3	3	3	
PK	11	11	11	10	13	12	11	10	9	8	8	9	8	8	8	9	8	9	7	8	11	9	12	12		13

II B-586

06/07/79-RPI)

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD42 PERIOD(1/01/79 TO 1/31/79)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	2	2	2	3	3	3	3	3	2
2	3	4	4	2	2	1	2	2	2	2	4	5	5	4	4	3	3	2	2	2	2	2	2	2	3
3	2	3	3	3	2	2	3	2	2	2	2	3	4	4	4	2	2	2	2	2	2	2	1	2	2
4	1	1	1	3	2	2	4	3	0	4	6	6	4	4	3	2	7	7	7	5	4	5	5	3	4
5	3	4	4	2	3	2	2	1	1	3	3	3	3	2	1	1	1	3	3	3	2	1	0	1	2
6	2	2	2	2	1	1	1	2	2	2	2	1	1	1	0	1	1	1	1	0	1	1	0	1	1
7	1	1	1	1	1	1	2	2	1	1	0	1	1	1	1	1	1	0	1	2	2	2	2	2	1
8	0	0	1	0	1	1	1	2	3	1	1	1	1	1	1	0	1	0	0	1	2	1	1	2	1
9	2	2	3	2	2	2	2	2	1	1	1	0	1	1	1	2	2	2	1	0	1	1	1	1	1
10	0	0	1	2	1	2	1	2	1	1	0	1	1	3	9	4	3	1	2	2	1	4	3	3	2
11	3	2	5	4	4	5	4	4	4	3	2	6	6	7	7	5	4	4	4	3	3	3	1	3	4
12	2	4	5	7	8	6	6	5	4	0	4	3	2	1	3	2	3	3	4	0	4	4	3	3	4
13	3	1	1	2	2	2	2	1	1	1	1	2	2	2	2	1	2	1	3	2	2	2	2	2	2
14	3	3	3	3	3	3	3	2	3	4	2	4	5	6	6	4	4	4	4	2	2	3	4	4	4
15	3	4	3	0	3	4	4	4	4	4	6	6	5	4	5	3	3	5	4	5	7	8	6	4	4
16	1	1	3	2	1	1	1	1	4	6	6	5	5	7	9	4	4	3	2	2	1	2	2	2	3
17	2	2	2	1	1	1	1	1	1	1	1	0	3	2	1	1	2	3	2	3	3	0	4	1	2
18	1	1	1	1	1	1	1	1	1	2	2	3	5	5	3	4	3	3	1	1	2	1	1	1	2
19	1	1	0	0	0	1	3	3	3	3	3	2	4	3	3	3	2	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	1	1	1	0	1	1	1	2	1	2	3	2	3	2	2	2	2	2	2
21	2	2	2	3	2	3	2	3	2	2	3	3	4	4	4	1	1	2	2	3	2	2	2	2	2
22	4	4	6	6	8	7	6	6	5	5	6	5	6	5	5	5	5	2	2	2	1	1	1	2	4
23	2	2	2	2	3	2	1	2	2	2	2	2	2	3	3	3	3	2	3	3	3	3	3	3	2
24	3	4	4	3	3	2	3	1	2	4	0	4	3	3	3	2	3	2	1	3	2	1	1	0	2
25	1	1	1	1	1	1	1	2	2	1	0	1	2	2	3	4	3	2	2	2	1	1	1	1	2
26	2	1	1	2	3	3	3	3	3	0	0	4	4	0	3	3	3	3	2	2	1	1	1	1	2
27	1	2	2	2	2	1	2	1	1	1	2	4	4	4	4	5	4	2	2	2	2	3	2	1	2
28	1	1	2	0	1	1	1	2	1	2	2	2	2	2	2	2	4	3	3	2	1	1	1	1	2
29	1	0	0	1	1	3	3	3	3	3	3	3	4	4	4	3	3	2	2	1	1	1	1	2	2
30	2	2	1	1	1	1	1	1	0	1	1	2	1	2	1	2	0	0	3	2	2	3	2	2	1
31	3	2	2	2	2	2	3	3	2	3	4	2	4	4	3	1	3	2	1	1	0	1	2	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBSERVATIONS = 744

WIND DIRECTION @10M
DEGREES

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	100	110	107	105	105	105	107	105	105	123	115	290	270	273	298	345	100	105	107	120	130	110	135	130	112
2	135	132	137	130	130	123	135	75	60	95	95	135	125	120	123	110	100	80	90	75	80	90	93	93	107
3	120	105	85	80	295	17	87	305	310	100	100	107	147	135	120	95	80	123	123	150	305	90	300	307	94
4	298	305	290	10	115	115	107	(VA)	80	107	107	135	130	135	125	135	270	140	140	137	123	140	95	108	120
5	95	105	103	93	85	90	90	95	95	300	298	300	285	283	275	108	100	285	275	270	283	300	95	103	57
6	333	290	283	285	273	350	295	310	283	290	295	300	305	325	295	303	30	105	105	90	105	130	120	100	317
7	70	105	140	150	130	140	108	125	140	140	143	325	310	300	285	298	90	100	95	95	93	90	95	115	119
8	303	115	115	115	105	90	350	73	73	360	298	303	300	298	303	300	300	75	325	63	95	300	140	115	23
9	305	5	65	137	140	140	300	87	290	315	310	315	290	300	295	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	318
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	145	130	120	75	115	100	130	117	87	( )
11	90	120	120	110	115	105	105	80	137	135	183	108	195	140	135	125	118	110	105	108	105	117	85	87	117
12	90	90	87	110	195	33	43	(VA)	85	100	123	90	295	45	330	300	303	45	333	308	330	280	285	290	20
13	285	(VA)	85	100	117	120	130	125	80	100	115	133	310	270	300	15	95	100	125	93	105	108	138	125	106
14	105	117	133	133	133	135	125	135	138	138	95	93	215	180	140	123	120	110	115	105	105	(VA)	305	150	128
15	(VA)	(VA)	275	243	153	95	110	98	98	138	153	175	175	190	190	138	120	103	108	80	110	105	133	(VA)	134
16	(VA)	90	90	105	105	93	95	105	105	260	243	235	310	270	250	198	100	75	105	105	108	103	125	105	116
17	135	120	107	(VA)	88	310	350	100	100	117	103	60	297	280	288	55	90	305	360	117	130	125	117	75	85
18	115	115	90	47	110	140	303	100	100	300	105	62	230	270	275	273	210	147	305	45	130	130	355	303	105
19	30	105	90	125	95	89	315	278	275	275	270	290	290	330	360	15	15	25	95	105	105	110	106	105	45
20	120	120	105	110	103	125	95	103	103	105	360	300	80	95	90	105	117	130	120	140	100	93	95	90	103
21	115	125	90	95	135	95	110	55	55	90	115	103	110	120	145	137	100	90	103	90	120	120	135	90	106
22	(VA)	100	90	125	152	200	168	(VA)	288	295	308	318	333	330	335	325	320	350	280	25	115	105	105	100	5
23	95	95	95	125	125	137	130	110	108	135	135	108	108	103	120	180	145	110	108	100	138	133	138	130	121
24	120	125	133	125	127	95	105	95	90	130	105	110	105	108	210	190	105	123	120	108	125	105	100	300	118
25	310	300	305	310	358	90	100	(VA)	303	330	315	300	305	288	283	273	273	270	290	288	27	75	100	115	314
26	88	78	75	285	283	275	273	260	273	273	275	303	315	303	308	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	294
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	273	310	327	308	35	105	95	100	103	117	( )
30	115	108	103	105	125	115	135	137	135	137	295	295	303	305	(VA)	103	90	100	90	95	85	95	120	135	109
31	130	110	108	120	100	103	105	(VA)	130	135	313	(VA)	222	220	150	140	110	110	303	303	295	63	95	305	121
PV	94	104	101	111	121	105	99	98	96	119	120	1	274	270	263	119	95	96	89	96	103	106	109	104	90

(06/07/79-RPI)

WIND DIRECTION @ 10M
DEGREES

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	300	300	315	303	240	280	220	235	235	225	330	327	327	345	5	43	110	145	165	180	165	(VA)	138	90	267
2	95	95	108	140	85	75	183	190	(VA)	190	195	195	198	193	195	198	185	180	193	205	(VA)	(VA)	225	25	169
3	195	170	163	183	210	(VA)	108	108	120	185	180	195	195	207	195	198	195	135	63	33	75	45	270	345	164
4	237	225	(VA)	210	205	210	205	210	205	193	195	195	193	207	210	212	215	215	200	180	205	198	167	180	203
5	200	205	215	207	215	212	210	205	207	220	235	315	325	303	325	45	47	325	300	300	270	285	325	345	265
6	300	285	298	300	300	360	315	270	300	305	283	278	350	15	360	30	60	155	258	258	268	278	345	355	310
7	315	250	255	233	210	215	123	85	105	85	55	360	30	350	35	100	155	168	215	230	138	285	145	133	150
8	123	240	225	225	22	170	120	123	125	90	63	50	45	360	345	15	180	168	100	73	130	115	163	125	111
9	105	163	160	125	152	148	135	130	110	120	45	30	32	37	123	145	315	243	278	303	60	298	310	223	119
10	215	37	148	260	305	230	20	325	250	50	(VA)	360	43	(VA)	95	180	180	185	180	198	195	215	190	183	200
11	190	190	205	210	203	205	200	185	182	195	195	200	200	203	215	215	183	195	195	195	180	210	210	208	199
12	195	198	207	210	213	210	210	213	215	207	207	213	228	213	345	327	358	15	30	5	360	345	315	315	251
13	290	280	270	225	230	220	50	150	265	50	18	3	345	345	360	47	55	235	210	190	90	55	117	153	336
14	120	178	173	130	133	135	150	140	137	127	107	225	190	195	205	155	185	168	163	165	178	180	220	210	165
15	228	213	220	215	220	205	205	207	200	175	198	205	198	195	190	193	188	190	193	198	210	207	212	220	203
16	220	225	250	227	238	230	235	245	233	243	228	228	245	303	237	215	193	200	190	195	207	200	195	185	223
17	169	155	138	227	60	95	235	80	35	78	65	38	345	290	315	330	155	300	260	5	120	190	170	178	114
18	195	10	90	15	190	163	185	195	180	198	212	253	253	215	253	253	240	235	195	295	45	95	255	270	219
19	315	273	240	275	305	237	340	303	300	305	305	300	340	330	334	346	(IM)	23	44	57	292	219	217	177	304
20	189	220	(VA)	112	112	76	171	157	145	126	85	345	14	17	264	121	161	190	186	50	194	133	260	142	143
21	168	132	67	70	109	120	122	107	94	72	133	167	175	169	181	157	137	210	178	151	292	327	38	235	138
22	182	187	194	191	193	201	204	211	263	282	297	316	337	332	340	339	331	328	312	273	298	273	320	214	271
23	181	202	226	241	102	120	98	44	96	78	39	38	235	194	199	195	177	197	188	78	96	107	100	104	138
24	105	108	127	132	149	132	89	121	103	164	135	152	174	187	207	187	161	150	81	113	164	186	197	243	148
25	316	37	109	77	278	0	91	99	301	293	336	340	340	327	319	288	285	286	281	277	268	281	234	221	308
26	255	290	261	291	287	273	287	273	276	286	288	311	312	319	327	314	313	311	312	304	294	283	268	205	290
27	199	188	176	176	151	206	226	116	81	58	193	203	192	192	195	197	185	186	187	178	125	149	152	91	172
28	89	154	114	112	170	107	149	159	127	74	107	121	212	227	198	202	280	282	269	272	265	298	230	174	178
29	227	297	272	276	(IM)	300	265	295	295	305	303	305	303	313	330	318	330	325	290	275	268	225	243	230	289
30	(VA)	(VA)	223	223	(VA)	213	210	230	230	85	35	355	320	215	213	223	207	195	183	110	90	120	115	160	190
31	135	150	108	120	150	195	140	140	108	115	168	195	190	183	180	180	150	163	180	330	35	195	165	30	153
PV	198	205	194	204	194	190	176	173	183	147	177	283	276	261	256	206	186	207	208	225	166	218	211	188	197

(06/07/79-RPI)

WIND DIRECTION @ 30M
DEGREES

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	315	300	330	315	280	303	273	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	175	170	(VA)	(IM)	(IM)	( )
2	(IM)	140	140	155	165	105	190	195	135	205	195	203	200	205	207	210	195	155	195	210	(VA)	(VA)	198	45	182
3	190	180	180	195	220	185	150	125	155	200	185	210	207	207	203	205	203	155	(VA)	(VA)	65	(VA)	225	310	189
4	240	245	225	215	210	213	213	210	210	207	207	207	213	215	220	215	217	217	210	197	212	210	180	190	212
5	210	225	223	223	220	223	223	215	213	223	235	315	320	310	280	60	70	345	300	300	288	290	330	345	267
6	298	290	300	303	(IM)	(IM)	315	260	310	310	283	260	360	20	20	35	75	153	315	270	275	260	340	358	313
7	330	285	298	270	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	35	28	15	75	105	175	180	253	225	135	120	160	155	160
8	115	120	225	245	75	(VA)	105	110	125	120	40	45	55	(VA)	275	108	183	180	150	110	150	137	165	123	127
9	115	168	170	133	137	133	133	125	120	137	125	(IM)	65	60	150	150	(VA)	258	270	360	(VA)	273	300	270	143
10	210	45	135	180	305	228	7	345	240	75	120	165	65	180	200	180	183	198	213	193	(VA)	210	210	195	187
11	205	212	215	215	213	210	207	200	190	203	213	207	220	210	220	223	210	195	225	210	190	215	223	207	210
12	207	207	213	225	225	223	220	225	227	227	210	230	235	237	360	330	5	20	33	5	5	347	327	327	265
13	300	278	283	245	240	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	360	345	350	358	65	80	(VA)	215	193	215	60	130	175	284
14	(VA)	185	178	165	165	150	163	165	150	135	123	235	205	195	207	180	180	175	163	167	180	180	215	215	177
15	255	220	215	225	215	210	213	220	210	190	180	213	210	205	190	185	205	190	200	210	225	223	215	215	210
16	228	243	243	235	240	230	235	243	238	255	245	230	255	305	245	225	207	213	207	210	207	207	190	180	229
17	165	130	137	190	285	100	243	120	123	(IM)	145	(VA)	75	305	318	30	135	15	273	215	190	200	175	180	166
18	198	15	325	(IM)	(IM)	153	170	175	195	215	218	265	258	220	225	270	252	243	205	285	50	115	205	275	226
19	325	300	253	290	285	213	345	310	315	313	310	303	330	340	335	344	(IM)	24	42	49	309	233	220	197	310
20	182	190	12	88	102	90	161	145	139	126	86	351	24	31	263	126	163	192	192	97	195	141	127	134	130
21	175	136	73	79	111	127	128	116	106	88	141	170	177	172	184	160	143	208	180	137	231	138	55	216	144
22	188	191	198	196	196	205	208	214	263	286	300	318	336	332	340	339	330	326	314	279	302	279	324	223	274
23	179	187	209	223	141	90	82	67	80	73	56	58	124	195	201	198	180	200	190	96	107	122	116	118	137
24	121	115	135	141	154	154	101	124	117	165	140	153	176	188	209	190	166	154	102	128	167	188	196	230	154
25	164	44	113	95	269	96	107	115	346	289	(VA)	355	343	331	326	311	309	310	307	305	301	308	285	277	326
26	296	312	298	312	310	275	288	275	278	288	289	314	316	319	327	317	314	313	313	309	302	289	279	222	299
27	197	192	202	180	170	193	225	155	140	122	195	204	196	194	199	200	189	190	191	182	142	158	158	122	180
28	100	160	150	133	174	118	148	164	133	91	109	128	211	225	204	204	285	287	274	276	267	308	321	171	182
29	244	301	273	287	(IM)	310	273	298	290	303	315	300	305	318	340	320	330	325	335	285	300	253	270	215	296
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	330	240	230	215	213	198	190	175	155	163	150	165	194
31	170	193	145	185	200	207	140	140	120	135	170	195	195	193	180	180	168	163	180	340	25	195	215	35	172
PV	206	206	209	207	206	180	189	176	176	188	184	244	265	250	242	197	193	212	226	218	214	207	213	201	204

(06/07/79-RPI)

WIND DIRECTION @ 60M
DEGREES

CR-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	345	330	340	330	325	325	325	310	300	345	15	343	345	345	350	70	123	105	160	185	183	190	195	205	330
2	195	183	190	190	195	207	210	210	195	198	195	210	210	207	207	215	215	195	210	215	210	180	210	330	204
3	198	183	195	193	210	210	207	195	213	207	195	213	207	213	210	210	210	190	170	(VA)	75	205	237	270	204
4	240	235	235	220	215	228	220	215	215	207	213	195	213	220	225	215	225	223	207	200	220	210	190	195	216
5	225	230	225	223	225	225	225	225	225	225	237	315	315	310	285	63	93	15	310	310	280	295	315	345	268
6	300	303	298	303	303	270	315	270	310	310	285	270	348	350	3	43	75	150	325	283	290	285	240	13	309
7	348	305	305	283	100	135	120	90	(VA)	225	125	127	47	15	120	107	165	150	247	213	190	150	145	193	147
8	193	135	195	163	175	165	120	117	138	165	220	63	60	(VA)	265	195	195	203	210	190	183	180	183	193	174
9	100	178	195	168	163	150	160	140	145	155	155	140	50	80	145	160	(VA)	315	295	285	285	295	288	310	171
10	225	270	145	170	325	238	270	5	230	155	130	235	(VA)	205	205	190	193	210	198	210	205	223	205	200	210
11	210	220	223	215	215	215	213	210	195	210	207	207	210	225	225	228	210	225	223	215	195	225	225	220	215
12	210	213	225	232	232	228	228	230	230	230	215	230	233	230	360	330	15	20	30	13	15	345	328	330	268
13	315	300	303	270	255	238	268	230	285	290	355	348	345	350	360	60	70	190	228	207	215	295	135	210	281
14	180	190	190	190	185	180	180	168	163	160	153	255	207	198	205	180	185	180	178	178	185	275	225	225	191
15	255	230	235	228	230	215	218	220	215	190	215	215	217	207	195	190	207	210	205	215	225	220	225	225	217
16	225	240	245	230	240	235	243	243	240	245	250	240	245	305	255	245	210	212	212	215	210	215	203	180	232
17	173	138	135	163	298	(VA)	245	240	240	280	245	65	(VA)	280	180	(VA)	152	18	298	265	200	200	185	183	214
18	200	5	333	30	(VA)	175	195	190	210	240	225	260	250	230	240	260	255	248	213	270	13	125	193	278	237
19	328	270	305	303	280	243	345	340	325	330	325	318	320	355	338	348	(IM)	26	40	41	320	255	237	(VA)	322
20	188	(VA)	8	74	93	88	161	144	137	127	90	354	28	42	262	129	167	197	203	151	209	163	179	163	139
21	192	153	92	92	118	130	140	131	117	95	151	175	181	175	187	165	152	209	185	157	230	204	73	210	156
22	193	195	201	199	199	208	211	217	267	290	302	319	339	335	343	342	334	330	320	289	307	288	325	250	279
23	176	185	210	214	158	168	115	87	95	97	63	65	151	199	204	201	183	204	193	118	125	140	131	133	153
24	138	128	145	149	159	168	107	131	134	170	147	159	180	192	210	193	173	160	121	144	173	193	200	228	162
25	181	44	122	112	234	115	122	133	37	(VA)	(VA)	2	345	337	326	307	305	304	299	298	295	305	288	278	321
26	295	314	287	310	306	278	292	281	284	293	293	317	321	321	331	321	315	317	319	316	310	298	291	252	302
27	198	199	200	172	178	198	221	172	166	166	201	208	199	198	201	203	193	194	195	189	160	169	167	145	187
28	110	174	171	151	182	136	155	169	139	108	114	134	212	225	209	207	291	292	279	279	269	309	326	(VA)	192
29	249	303	285	300	(IM)	313	285	310	305	307	310	315	310	330	335	320	335	330	335	320	325	298	298	260	308
30	235	137	195	220	137	150	145	160	137	203	105	(VA)	273	255	243	230	215	210	205	210	198	205	180	163	194
31	200	207	205	205	210	210	183	168	155	165	180	215	205	190	190	183	168	180	193	305	270	200	190	360	197
PV	213	217	220	208	210	200	203	194	203	209	200	246	259	258	241	207	195	216	228	232	231	228	217	227	220

(06/07/79-RPI)

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD42 PERIOD(1/01/79 TO 1/31/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	119	132	235	326	206	79	90	70	58	105	244	253	280	284	272	200	115	90	83	87	82	83	81	88	105
2	89	90	73	81	83	84	70	94	88	84	172	184	172	151	169	162	160	68	128	93	81	84	81	100	107
3	131	111	73	85	84	114	92	74	66	56	121	157	168	146	169	157	106	80	92	69	119	65	57	49	100
4	320	85	180	195	81	65	285	182	192	190	165	180	191	196	180	220	235	193	180	201	205	180	164	162	186
5	35	250	185	182	215	90	83	71	72	210	270	284	291	312	345	25	337	269	271	273	270	270	345	284	291
6	270	265	270	281	277	291	280	260	270	279	275	200	270	345	270	273	225	47	315	205	281	60	90	305	278
7	71	90	94	17	73	65	68	79	84	75	4	300	271	65	116	91	94	357	90	85	63	79	85	112	71
8	90	310	345	127	87	48	90	97	86	307	312	281	277	284	289	291	321	77	350	35	116	89	299	74	14
9	87	88	90	121	117	114	81	63	64	149	294	299	349	63	12	320	287	265	245	310	251	285	278	265	359
10	360	255	31	180	270	180	345	265	270	352	65	262	94	67	180	172	184	174	127	178	90	163	179	166	175
11	145	137	180	190	165	180	187	200	165	162	182	197	184	204	200	197	154	180	181	177	91	181	214	187	177
12	192	190	187	192	190	191	200	201	215	185	205	210	220	230	357	287	310	354	350	310	311	289	299	301	241
13	270	266	114	81	111	91	94	122	63	90	311	270	225	270	271	274	310	85	78	87	89	127	81	84	91
14	90	85	92	90	100	93	121	90	117	131	130	220	195	187	180	173	121	144	141	90	101	210	180	180	133
15	173	181	193	197	200	180	225	174	200	120	230	180	190	179	163	180	37	179	184	220	180	180	181	241	187
16	180	25	265	267	245	192	274	263	221	240	245	260	317	295	245	225	180	180	180	65	135	80	91	21	233
17	90	69	90	90	90	10	270	123	65	90	87	90	275	288	319	88	62	220	255	90	90	155	160	165	95
18	347	333	144	148	270	97	182	78	90	175	3	94	265	223	257	265	244	195	271	266	90	67	252	300	229
19	181	183	72	313	4	0	248	288	279	284	320	270	270	340	352	347	37	44	90	310	214	270	76	90	323
20	75	93	100	90	47	93	78	87	90	162	300	210	100	200	183	166	172	194	109	133	87	90	79	93	114
21	89	70	91	93	90	89	91	90	108	64	90	137	122	180	175	90	90	133	309	90	90	81	77	24	94
22	90	180	180	193	193	197	182	190	299	310	320	340	289	345	352	349	344	298	270	251	287	264	77	84	277
23	80	83	87	72	90	91	79	86	89	60	90	175	90	180	182	193	180	121	85	85	90	90	90	91	101
24	99	90	90	90	90	85	87	90	88	90	120	120	120	180	250	261	140	147	100	127	163	192	115	90	116
25	79	180	120	259	247	89	90	270	271	283	265	210	356	299	270	270	270	264	245	257	266	258	197	245	255
26	270	270	265	270	321	270	270	268	259	270	284	287	354	310	312	354	298	285	315	319	270	254	23	101	293
27	87	66	90	75	91	94	122	77	82	90	17	180	181	180	194	199	183	163	90	90	55	101	117	90	109
28	90	112	90	135	72	84	81	73	90	90	63	12	314	321	80	283	255	271	288	270	270	338	180	84	57
29	135	271	266	289	270	257	268	270	270	270	288	270	270	290	298	324	311	285	260	248	69	80	83	80	281
30	86	89	64	48	77	82	88	90	87	41	90	320	294	12	270	265	192	180	116	101	90	90	84	76	80
31	88	81	90	90	79	89	94	90	88	63	128	180	180	192	177	168	161	90	49	301	28	12	90	299	99
MEAN	97	112	114	125	111	99	109	109	99	111	282	227	244	247	238	235	196	164	139	124	103	114	106	94	135

TOTAL NUMBER OF OBSERVATIONS = 744

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AB20
JAN 1979
OCCIDENTAL OIL SHALE, INC.

DAY	HOUR (LOCAL STANDARD TIME) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	VECTOR DIR	VEL
1	100	110	107	105	105	105	107	105	105	123	115	290	270	273	288	345	100	105	107	120	130	110	135	130	117	1.4
2	135	132	137	130	130	123	135	75	60	95	95	135	125	120	123	110	100	80	90	75	80	90	93	93	109	3.4
3	120	105	85	80	295	17	87	305	310	100	100	107	147	135	120	95	80	123	123	150	305	90	300	307	102	1.3
4	298	305	290	10	115	115	107	***	80	107	107	135	130	135	125	135	270	140	140	137	123	140	95	108	123	1.2
5	95	105	103	93	85	90	90	95	95	300	298	300	285	283	275	108	100	285	275	270	283	300	95	103	292	0.5
6	333	290	283	285	273	350	295	310	283	290	295	300	305	325	295	303	30	105	105	90	105	130	120	100	305	0.6
7	70	105	140	150	130	140	108	125	140	140	143	325	310	300	285	298	90	100	95	95	93	90	95	115	119	1.2
8	303	115	115	115	105	90	350	73	73	360	298	303	300	298	303	300	300	75	325	63	95	300	140	115	328	0.4
9	305	5	65	137	140	140	300	87	290	315	310	315	290	300	295	***	***	***	***	***	***	***	***	***	256	0.2
10	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	145	130	120	75	115	100	130	117	87	****	****
11	90	120	120	110	115	105	105	80	137	135	183	108	195	140	135	125	119	110	105	108	105	117	85	87	118	2.6
12	90	90	87	110	195	33	43	***	85	100	123	90	295	45	330	300	303	45	333	308	330	280	285	290	330	0.6
13	285	***	85	100	117	120	130	125	80	100	115	133	310	270	300	15	95	100	125	93	105	108	138	125	115	1.0
14	105	117	133	133	133	135	125	135	138	138	95	93	215	180	140	123	120	110	115	105	105	***	305	150	126	3.0
15	***	***	275	243	153	95	110	98	98	138	153	175	175	180	190	138	120	103	108	80	110	105	133	***	138	1.4
16	***	90	90	105	105	93	95	105	105	260	243	235	310	270	250	193	100	75	105	105	108	103	125	105	157	0.5
17	135	120	107	***	88	310	350	100	100	117	103	60	297	280	288	55	90	305	360	117	130	125	117	75	109	0.7
18	115	115	90	47	110	140	303	100	100	300	105	62	230	270	275	273	210	147	305	45	130	130	355	303	179	0.1
19	30	105	90	125	95	89	315	278	275	275	270	290	299	330	360	15	15	25	95	105	105	110	108	105	334	0.5
20	120	120	105	110	103	125	95	103	103	105	360	300	80	95	90	105	117	130	120	140	100	93	95	90	106	1.2
21	115	125	90	95	135	95	110	55	55	90	115	103	110	120	145	137	100	90	103	90	120	120	135	90	111	2.3
22	***	100	90	125	152	200	168	***	288	295	308	318	333	330	335	325	320	350	260	25	115	105	105	100	328	1.4
23	95	95	95	125	125	137	130	110	108	135	135	108	108	103	120	180	145	110	108	100	138	133	138	130	125	2.7
24	120	125	133	125	127	95	105	95	90	130	105	110	105	108	210	190	105	123	120	108	125	105	100	300	118	2.4
25	310	300	305	310	358	90	100	***	303	330	315	300	305	288	283	273	273	270	290	288	27	75	100	115	292	1.2
26	88	78	75	285	283	275	273	260	273	273	275	303	315	303	308	***	***	***	***	***	***	***	***	***	287	2.3
27	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	****
28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	****
29	***	***	***	***	***	***	***	***	***	***	***	***	***	***	273	310	327	308	35	105	95	100	103	117	****	****
30	115	108	103	105	125	115	135	137	135	137	295	295	303	305	***	103	90	100	90	95	85	85	120	135	118	1.5
31	130	110	108	120	100	103	105	***	130	135	313	***	222	220	150	140	110	110	303	303	295	63	93	305	130	1.4
VD	111	113	112	115	126	119	115	111	118	141	140	74	253	229	238	142	97	98	102	98	106	112	114	112	116	
VV	1.2	1.6	1.3	1.4	1.6	1.4	0.8	1.2	0.8	0.6	0.4	0.1	0.4	0.4	0.5	0.5	0.7	1.1	1.1	0.9	1.2	1.4	1.6	1.2		0.9

TOTAL NUMBER OF OBSERVATIONS = 630

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AA23
JAN 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																							VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	300	300	315	303	240	280	220	235	235	225	330	327	327	345	5	43	110	145	165	180	165	***	138	90	260	0.5
2	95	95	108	140	85	75	183	190	***	190	195	195	198	193	195	198	185	180	193	205	***	***	225	25	185	2.6
3	195	170	163	183	210	***	108	108	120	185	180	195	195	207	195	198	195	135	63	33	75	45	270	345	186	2.0
4	237	225	***	210	205	210	205	210	205	193	195	195	193	207	210	212	215	215	200	180	205	198	167	180	203	5.2
5	200	205	215	207	215	212	210	205	207	220	235	315	325	303	325	45	47	325	300	300	270	285	325	345	228	2.1
6	300	285	298	300	300	360	315	270	300	305	283	278	350	15	360	30	60	155	258	258	268	278	345	355	293	0.8
7	315	250	255	233	210	215	123	85	105	85	55	360	30	350	35	100	155	168	215	230	138	285	145	133	153	0.3
8	123	240	225	225	22	170	120	123	125	90	63	50	45	360	345	15	180	168	100	73	130	115	163	125	132	0.7
9	105	163	160	125	152	148	135	130	110	120	45	30	32	37	123	145	315	243	278	303	60	298	310	223	146	0.6
10	215	37	148	260	305	230	20	325	250	50	***	360	43	***	95	180	180	185	180	198	195	215	190	183	184	1.5
11	190	190	205	210	203	205	200	185	182	195	195	200	200	203	215	215	183	195	195	195	180	210	210	208	201	5.4
12	195	198	207	210	213	210	210	213	215	207	207	213	228	213	345	327	358	15	30	5	360	345	315	315	225	3.0
13	290	280	270	225	230	220	50	150	285	50	18	3	345	345	360	47	55	235	210	190	90	55	117	153	235	0.3
14	120	178	173	130	133	135	150	140	137	127	107	225	190	195	205	155	185	168	163	165	178	180	220	210	169	2.9
15	228	213	220	215	220	205	205	207	200	175	198	205	198	195	190	193	188	190	193	198	210	207	212	220	205	5.7
16	220	225	250	227	238	230	235	245	233	243	228	228	245	303	237	215	193	200	190	195	207	200	195	185	227	3.4
17	168	155	138	227	60	95	235	80	35	78	65	38	345	290	315	330	155	300	260	5	120	190	170	178	185	0.8
18	195	10	90	15	190	163	185	195	180	198	212	253	253	215	253	253	240	235	195	295	45	95	255	270	226	1.2
19	315	273	240	275	305	237	340	303	300	305	305	300	340	330	333	346	***	23	44	56	292	219	217	177	322	1.1
20	188	219	***	112	112	76	171	156	144	125	85	344	14	17	263	121	161	189	186	49	194	132	259	141	152	0.7
21	168	131	67	69	109	119	121	106	93	71	133	166	175	169	181	157	137	209	177	151	292	326	37	234	151	1.2
22	182	187	194	191	192	201	204	210	262	282	296	315	336	331	339	339	330	327	311	272	298	273	320	213	258	2.4
23	180	202	226	241	101	119	98	44	95	78	38	38	234	194	199	195	176	196	188	78	96	107	99	104	149	1.0
24	104	107	127	132	149	132	89	120	103	163	135	152	174	186	206	187	161	149	81	113	163	186	197	243	154	1.9
25	315	37	109	77	277	0	91	98	300	293	335	340	339	327	319	287	284	285	281	276	267	281	233	220	300	0.6
26	254	289	260	291	286	272	287	273	276	286	288	311	312	318	327	314	312	310	311	303	294	282	268	205	299	2.4
27	198	187	176	176	150	206	225	115	80	57	193	202	191	191	195	196	185	186	186	178	124	148	151	91	181	1.9
28	89	154	113	111	170	107	149	159	126	74	107	121	212	226	198	201	279	281	268	272	265	297	224	173	199	0.6
29	227	297	271	277	***	300	265	295	295	305	303	305	303	313	330	318	330	325	290	275	268	225	243	230	296	1.6
30	***	***	223	223	***	213	210	230	230	85	35	355	320	215	213	223	207	195	183	110	90	120	115	160	195	1.2
31	135	150	108	120	150	195	140	140	108	115	168	195	190	183	180	180	150	163	180	330	35	195	165	30	163	1.8
VD	199	198	198	203	201	200	200	195	207	199	206	224	225	225	225	211	200	206	204	207	203	207	200	195	206	
VV	1.5	1.6	1.7	1.6	1.8	1.7	1.8	1.7	1.2	1.0	1.2	1.5	1.4	1.7	1.5	1.6	1.5	1.5	1.7	1.0	0.8	1.1	1.3	1.3		1.4

TOTAL NUMBER OF OBSERVATIONS = 726

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
30 METER LEVEL

CB-TRACT
TRAILER AA23
JAN 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																							VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	315	300	330	315	280	303	273	***	***	***	***	***	***	***	***	***	***	***	***	175	170	***	***	***	****	****
2	***	140	140	155	165	105	190	195	135	205	195	203	200	205	207	210	195	195	195	210	***	***	198	45	183	1.4
3	190	180	180	195	220	185	150	125	155	200	185	210	207	207	203	205	203	155	***	***	65	***	225	310	****	****
4	240	245	225	215	210	213	213	210	210	207	207	207	213	215	220	215	217	217	210	197	212	210	180	150	****	****
5	210	225	223	223	220	223	223	215	213	223	235	315	320	310	280	60	70	345	300	300	288	290	330	345	****	****
6	298	290	300	303	***	***	315	260	310	310	283	260	360	20	20	35	75	153	315	270	275	260	340	358	****	****
7	330	285	298	270	***	***	***	***	***	***	***	35	28	15	75	105	175	180	253	225	135	120	160	155	****	****
8	115	120	225	245	75	***	105	110	125	120	40	45	55	***	275	108	183	180	150	110	150	137	165	123	****	****
9	115	168	170	133	137	133	133	125	120	137	125	***	65	60	150	150	***	258	270	360	***	273	300	270	****	****
10	210	45	135	180	305	228	7	345	240	75	120	165	65	180	200	180	183	198	213	193	***	210	210	195	****	****
11	205	212	215	215	213	210	207	200	190	203	213	207	220	210	220	223	210	195	225	210	190	215	223	207	****	****
12	207	207	213	225	225	223	220	225	227	227	210	230	235	237	360	330	5	20	33	5	5	347	327	327	226	2.3
13	300	278	283	245	240	***	***	***	***	***	***	360	345	350	358	65	80	***	215	193	215	60	130	175	****	****
14	***	185	178	165	165	150	163	165	150	135	123	235	205	195	207	180	180	175	163	167	180	180	215	215	****	****
15	255	220	215	225	215	210	213	220	210	190	180	213	210	205	190	185	205	190	200	210	225	223	215	215	213	3.0
16	228	243	243	235	240	230	235	243	238	255	245	230	255	305	245	225	207	213	207	210	207	207	190	180	****	****
17	165	130	137	190	285	100	243	120	123	***	145	***	75	305	318	30	135	15	273	215	190	200	175	180	****	****
18	198	15	325	***	***	153	170	175	195	215	218	265	258	220	225	270	252	243	205	285	50	115	205	275	****	****
19	325	300	253	290	285	213	345	310	315	313	310	303	330	340	334	343	***	23	41	48	308	232	219	196	****	****
20	182	189	11	88	101	89	161	144	138	125	86	351	23	30	262	125	162	192	192	97	194	140	126	133	****	****
21	175	135	72	79	110	126	128	115	106	87	141	170	177	171	183	159	142	208	180	136	230	138	55	215	****	****
22	187	191	197	195	195	204	207	214	263	286	299	318	336	331	339	338	330	326	313	278	301	279	323	223	321	5.5
23	178	187	209	223	140	89	81	66	79	73	56	57	124	195	200	197	179	200	189	95	106	121	115	118	****	****
24	120	114	134	140	153	153	100	124	117	165	139	153	175	188	209	189	166	153	101	128	167	188	197	229	****	****
25	163	44	113	95	268	95	107	114	345	289	***	355	343	331	326	310	309	309	307	305	300	307	284	277	****	****
26	295	312	298	312	310	274	288	275	277	288	289	313	315	318	327	316	313	312	312	308	301	288	279	221	****	****
27	197	192	201	180	169	193	225	154	140	122	194	204	195	194	198	199	188	190	190	181	142	157	157	121	****	****
28	99	160	149	132	174	117	148	163	133	91	109	127	211	225	203	203	285	286	273	275	267	308	321	170	****	****
29	243	301	273	286	***	310	273	298	290	303	315	300	305	318	340	320	330	325	335	285	300	253	270	215	****	****
30	***	***	***	***	***	***	***	***	***	***	***	***	330	240	230	215	213	193	190	175	155	163	150	165	****	****
31	170	193	145	185	200	207	140	140	120	135	170	195	195	193	180	180	168	163	190	340	25	195	215	35	****	****
VD	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	
VV	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****

TOTAL NUMBER OF OBSERVATIONS = 129

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
60 METER LEVEL

CB-TRACT
TRAILER AA23
JAN 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	345	330	340	330	325	325	325	310	300	345	15	343	345	345	350	70	123	135	160	135	183	190	195	205	301	0.5
2	195	183	190	190	195	207	210	210	195	198	195	210	210	207	207	215	215	195	210	215	210	180	210	330	207	3.8
3	193	183	195	193	210	210	207	195	213	207	195	213	207	213	210	210	210	190	170	***	75	205	237	270	206	3.1
4	240	235	235	220	215	228	220	215	215	207	213	195	213	220	225	215	225	223	207	200	220	210	190	195	216	6.4
5	225	230	225	223	225	225	225	225	225	225	237	315	315	310	285	63	93	15	310	310	280	285	315	345	238	3.3
6	300	303	298	303	303	270	315	270	310	310	285	270	348	350	3	43	75	150	325	283	290	285	240	13	305	0.8
7	348	305	305	283	100	135	120	90	***	225	125	127	47	15	120	107	165	150	247	213	190	150	145	193	146	0.3
8	193	135	195	163	175	165	120	117	138	165	220	63	60	***	265	195	195	203	210	190	183	180	183	193	181	1.0
9	100	178	195	168	163	150	160	140	145	155	155	140	50	80	145	160	***	315	295	285	285	285	288	310	160	1.1
10	225	270	145	170	325	238	270	5	230	155	130	235	***	205	205	190	193	210	198	210	205	223	205	200	206	2.4
11	210	220	223	215	215	215	213	210	195	210	207	207	210	225	225	228	210	225	223	215	195	225	225	220	217	7.6
12	210	213	225	232	232	228	228	230	230	230	215	230	233	230	360	330	15	20	30	13	15	345	328	330	244	4.0
13	315	300	303	270	255	238	268	230	285	290	355	348	345	350	360	60	70	190	228	207	215	295	135	210	265	1.0
14	180	190	190	190	185	180	180	168	163	160	153	255	207	198	205	180	185	180	178	178	185	275	225	225	190	4.2
15	255	230	235	228	230	215	218	220	215	190	215	215	217	207	195	190	207	210	205	215	225	220	225	225	220	7.1
16	225	240	245	230	240	235	243	243	240	245	250	240	245	305	255	245	210	212	212	215	210	215	203	180	234	5.0
17	173	138	135	163	298	***	245	240	240	280	245	65	***	280	180	***	152	18	293	265	200	200	185	183	194	1.5
18	200	5	333	30	***	175	195	190	210	240	225	260	250	230	240	260	255	248	213	270	13	125	193	278	236	1.8
19	328	270	305	303	280	243	345	340	325	330	325	318	320	355	338	347	***	25	35	41	320	254	237	***	339	1.6
20	188	***	8	74	93	87	161	143	136	127	89	354	28	41	261	129	167	197	202	150	209	162	179	162	153	0.9
21	191	152	91	92	117	129	140	130	116	95	151	174	181	175	186	165	152	209	184	157	230	204	73	209	169	1.8
22	192	194	201	199	199	207	211	217	267	290	302	319	338	335	342	341	333	330	319	288	307	288	325	250	262	3.0
23	176	184	210	214	157	168	115	86	95	96	62	65	150	198	204	200	183	204	192	118	124	139	131	132	165	1.7
24	138	128	145	149	159	167	106	131	134	169	147	159	180	191	209	193	173	160	120	143	172	192	200	228	164	2.7
25	181	43	121	111	234	114	122	132	37	***	***	2	345	337	326	307	304	303	299	298	294	304	288	278	319	0.3
26	294	314	287	309	305	277	292	281	283	293	293	317	320	320	330	321	315	317	318	316	310	298	290	232	308	2.8
27	197	199	199	171	177	198	220	171	165	166	200	208	198	197	201	202	193	194	194	188	159	169	167	144	190	2.7
28	110	173	170	150	181	135	154	169	138	107	114	133	211	224	208	206	291	291	279	278	269	308	325	***	200	1.0
29	248	302	284	300	***	313	285	310	305	307	310	315	310	330	335	320	335	330	335	320	325	298	298	260	315	1.7
30	235	137	195	220	137	150	145	160	137	203	105	***	273	255	243	230	215	210	205	210	198	205	180	183	208	1.9
31	200	207	205	205	210	210	183	168	155	165	180	215	205	190	190	183	168	180	193	305	270	200	190	360	194	2.9
VD	216	215	217	213	215	211	215	211	216	215	215	229	232	234	233	218	209	217	218	219	222	220	212	216	218	
VV	2.2	2.3	2.3	2.2	2.7	2.5	2.6	2.4	2.0	1.7	1.7	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.1	1.9	1.7	2.0	2.1	2.1		2.1

TOTAL NUMBER OF OBSERVATIONS = 726

NOTE: **** = MISSING DATA

SIGMA HORIZ. WIND DIR. @ 10M
DEGREES

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	10	12	9	6	9	10	12	11	6	40	19	14	10	15	21	37	13	12	8	12	9	15	13	15	14	40
2	8	10	11	29	23	23	31	30	29	19	18	11	11	11	11	11	9	10	10	11	42	39	24	20	19	42
3	42	17	20	11	15	41	22	12	20	15	12	12	10	11	10	8	12	17	35	20	23	19	45	21	20	45
4	14	24	40	11	10	33	9	12	11	12	11	14	17	12	14	14	14	11	11	10	10	11	9	7	14	40
5	11	10	10	11	9	10	10	11	14	16	13	10	10	11	13	8	8	7	7	7	8	8	6	7	10	16
6	8	7	7	6	8	8	7	7	8	8	11	12	14	12	13	10	9	10	7	7	10	8	7	10	9	14
7	13	11	13	11	20	19	19	12	23	11	8	8	20	13	21	18	6	7	6	11	17	20	10	16	14	23
8	21	10	8	8	16	30	16	8	9	9	8	10	17	19	13	15	11	10	17	9	13	12	8	8	13	30
9	9	10	15	7	9	10	8	10	11	13	20	18	13	13	19	13	9	7	8	18	18	8	11	12	12	20
10	12	8	9	30	12	12	13	13	13	12	31	17	16	25	10	9	8	9	22	14	40	20	10	9	16	40
11	10	16	10	11	10	10	10	12	19	18	13	13	15	11	11	17	17	18	16	15	16	12	10	10	13	19
12	10	8	10	11	10	11	9	10	11	11	10	12	12	10	11	12	9	8	9	9	10	10	9	8	10	12
13	8	10	12	8	9	10	19	11	7	11	8	12	12	13	18	15	18	20	8	8	20	11	10	11	12	20
14	13	7	8	9	10	9	9	9	11	11	16	45	11	13	14	18	12	10	12	9	9	24	34	18	14	45
15	28	12	11	11	11	13	10	10	10	13	14	11	13	17	22	13	13	9	10	12	10	9	10	9	13	28
16	9	29	12	10	10	11	13	12	13	12	14	13	13	11	11	11	9	8	9	9	9	8	11	14	12	29
17	7	11	11	20	25	23	7	12	12	14	10	13	15	11	13	13	17	24	10	16	19	15	7	7	14	25
18	11	7	14	12	17	7	14	10	14	10	25	16	17	16	17	15	14	10	9	12	11	12	27	15	14	27
19	12	22	16	12	11	21	9	11	8	10	10	10	12	12	10	11	(IM)	7	15	19	14	17	21	30	14	30
20	12	22	30	21	22	21	12	8	9	10	21	17	16	23	26	23	9	10	15	29	14	25	27	22	18	30
21	16	23	16	28	9	8	7	8	8	8	26	13	14	12	14	12	16	33	35	43	47	53	33	44	22	53
22	21	9	10	10	9	11	10	9	13	11	12	12	9	10	11	10	10	9	8	7	9	9	7	20	11	21
23	10	21	21	25	16	34	21	21	15	13	22	24	43	33	15	13	8	11	11	16	9	11	12	9	18	43
24	15	8	8	10	9	21	22	11	20	12	13	25	20	18	17	14	19	11	16	18	11	21	24	28	16	23
25	48	13	10	17	11	35	26	10	14	9	10	11	11	10	10	8	8	7	7	8	8	9	10	7	13	48
26	8	9	8	8	9	10	8	9	9	9	10	10	10	11	10	10	9	8	8	8	10	8	8	17	9	17
27	12	9	14	14	31	26	36	27	24	13	21	14	12	11	12	11	10	8	7	19	24	13	7	16	16	36
28	20	25	20	17	24	15	22	17	10	20	27	26	24	26	30	16	11	8	8	9	7	9	32	15	18	32
29	9	16	11	17	(IM)	8	8	9	7	10	10	8	9	11	11	9	10	8	7	7	9	6	4	12	9	17
30	39	15	15	8	13	13	13	14	11	13	13	17	35	21	15	13	11	10	9	15	13	12	14	8	15	39
31	18	12	14	18	17	17	16	15	11	12	14	15	16	13	11	12	13	11	10	12	18	24	14	18	15	24
AV	16	14	14	14	14	17	14	12	13	13	15	15	15	15	15	14	11	11	12	13	16	15	15	15	14	
PK	48	29	40	30	31	41	36	30	29	40	31	45	43	33	30	37	19	33	35	43	47	53	45	44		53

SIGMA HORIZ. WIND DIR. @ 60M
DEGREES

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	11	10	8	7	12	7	9	8	15	20	16	11	9	12	19	20	8	9	6	6	6	11	7	21	11	21
2	13	11	9	15	17	39	15	12	27	18	14	9	9	9	9	9	8	11	8	7	24	35	17	57	17	57
3	17	13	14	9	10	18	15	19	18	13	12	11	9	8	8	7	20	34	36	18	20	21	25	25	17	36
4	12	15	21	10	8	26	7	9	9	11	10	12	14	12	10	10	10	8	8	10	8	8	9	7	11	26
5	7	6	8	8	7	7	7	8	11	12	10	10	10	11	25	8	9	12	5	6	6	5	5	7	9	25
6	5	6	5	6	7	6	6	7	6	7	9	8	11	16	9	12	9	7	7	7	7	5	5	10	8	16
7	9	9	10	13	15	15	13	13	16	18	4	10	21	13	31	13	5	4	8	11	7	7	8	8	12	31
8	14	10	12	10	13	7	10	10	9	11	21	32	14	12	14	17	9	9	14	16	9	15	8	16	13	32
9	18	9	12	8	7	6	8	9	9	7	13	9	10	18	11	9	23	17	10	16	10	5	6	7	11	23
10	7	9	7	6	11	7	13	10	9	11	15	12	13	11	10	8	8	9	20	13	23	11	8	8	11	23
11	10	13	11	10	3	8	8	10	28	16	13	11	13	10	14	11	16	13	11	12	13	9	8	8	12	28
12	8	7	8	9	8	8	7	9	8	9	9	10	10	9	9	11	7	8	8	9	9	10	7	6	8	11
13	7	8	9	8	10	10	10	7	7	7	9	13	13	13	16	24	23	25	6	6	11	24	32	13	13	32
14	13	6	6	8	9	7	6	6	6	7	13	34	11	12	14	18	10	9	8	8	9	21	17	15	11	34
15	21	9	9	9	9	12	9	8	9	10	12	9	11	12	18	12	13	8	9	9	9	8	7	7	10	21
16	6	10	11	7	9	8	9	11	11	11	12	10	12	10	10	8	8	6	6	7	7	6	7	5	9	12
17	6	6	6	7	8	13	5	13	12	11	7	16	17	15	13	13	9	21	9	13	13	9	6	5	11	21
18	6	9	10	11	7	7	8	6	8	7	13	12	14	12	12	11	13	8	8	9	8	10	13	8	10	14
19	9	19	12	10	10	9	9	7	9	10	10	10	13	9	10	10	(IM)	7	10	14	8	28	30	18	12	30
20	9	26	15	11	16	12	32	9	9	11	18	19	34	45	24	22	9	6	7	31	17	17	21	13	18	45
21	16	19	35	29	13	15	10	13	13	17	17	13	12	11	13	11	15	20	19	45	43	38	43	43	22	45
22	15	9	10	9	9	9	9	8	12	10	11	11	9	9	9	9	9	8	8	7	7	8	6	9	9	15
23	8	9	11	11	11	9	12	14	24	19	28	31	44	20	14	11	8	8	7	14	12	17	13	9	15	44
24	15	10	7	6	8	12	23	15	19	11	11	22	16	15	15	13	19	9	14	16	10	14	14	24	14	24
25	36	33	8	8	19	20	10	7	9	16	12	12	14	11	11	8	7	6	8	7	7	6	6	7	12	36
26	6	8	8	7	8	8	7	8	9	9	8	10	9	11	10	11	9	8	8	9	10	8	7	13	9	13
27	19	9	10	9	12	18	15	18	12	9	13	11	11	10	10	10	10	7	7	10	19	13	8	27	12	27
28	27	15	12	11	20	14	10	10	11	14	16	18	24	30	17	15	13	7	7	8	7	7	9	11	14	30
29	9	10	7	11	(IM)	6	7	8	8	8	9	9	9	10	9	9	8	7	7	7	8	8	7	9	8	11
30	10	8	8	10	8	10	7	7	8	14	14	30	14	20	14	17	8	9	8	9	12	11	8	8	11	30
31	8	10	15	13	10	8	10	13	11	11	11	14	14	10	10	9	11	7	11	14	23	13	16	14	12	23
AV	12	11	11	10	11	12	10	10	12	12	13	14	14	14	13	12	11	11	10	12	12	13	12	14	12	
PK	36	33	35	29	20	39	32	19	28	20	28	34	44	45	31	24	23	34	36	45	43	38	43	57		57

TEMPERATURE
DEGREE C

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-23	-24	-26	-27	-30	( )	( )	( )	( )	-26	-22	-17	-16	-15	-13	-13	-17	-21	-23	-26	-26	-26	-26	-26	-22	-13
2	-26	-26	-23	-22	-22	-21	-17	-13	-12	-11	-9	-8	-8	-7	-6	-6	-6	-6	-6	-6	-5	-5	-4	-4	-12	-4
3	-5	-4	-4	-4	-8	-9	-8	-11	-12	-4	-1	0	1	1	1	1	1	-1	-1	-3	-7	-7	-8	-8	-4	1
4	-8	-8	-8	-8	-4	-1	1	2	2	2	3	4	4	4	4	4	3	3	2	2	1	1	1	0	0	4
5	-1	0	0	0	-1	-1	-1	-1	0	-1	-1	1	2	2	3	1	1	-1	-1	-2	-2	-2	-3	-3	0	3
6	-3	-3	-3	-4	-4	-4	-5	-5	-6	-6	-5	-4	-2	-1	-1	-1	-2	-7	-7	-7	-7	-7	-7	-7	-5	-1
7	-12	-13	-13	-12	-12	-12	-12	-14	-16	-16	-12	-9	-7	-5	-4	-4	-8	-10	-16	-17	-18	-18	-19	-20	-12	-4
8	-26	-26	-26	-27	-27	-26	-28	-29	-27	-23	-18	-12	-9	-6	-6	-6	-7	-8	-9	-9	-9	-9	-15	-16	-17	-6
9	-19	-19	-18	-12	-12	-15	-22	-18	-19	-14	-12	-9	-7	-6	-4	(RF)	(RF)	(RF)	(PF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	-4
10	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	2	2	1	1	1	1	1	1	0	( )	2
11	1	1	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	4
12	4	4	4	4	5	5	5	4	4	4	4	5	6	4	3	3	3	3	3	1	0	-1	-3	-6	3	6
13	-7	-8	-11	-12	-11	-10	-10	-10	-9	-8	-6	-3	-2	-1	0	0	-2	-6	-7	-9	-11	-11	-12	-13	-7	0
14	-14	-14	-13	-12	-12	-11	-11	-10	-8	-4	-1	0	1	1	-1	-2	-2	-2	-1	0	0	0	0	0	-5	1
15	1	1	1	1	1	-1	-2	-1	1	1	2	3	2	2	3	3	2	2	2	2	3	3	3	3	2	*
16	3	2	2	1	1	1	1	1	4	4	4	3	3	3	3	4	3	3	3	-1	-1	-3	-4	-5	2	4
17	-5	-7	-7	-8	-8	-8	-8	-6	-5	-4	-3	-1	0	1	1	1	2	0	-1	1	1	2	3	2	-2	3
18	1	1	1	1	1	2	1	1	1	0	1	4	6	6	6	6	6	4	3	2	2	2	1	1	2	6
19	1	1	1	0	0	0	-1	-1	-1	-1	-1	0	0	1	1	1	0	1	-4	-7	-8	-8	-8	-7	-2	1
20	-6	-6	-7	-8	-8	-8	-8	-9	-9	-7	-4	-1	2	2	3	3	1	-1	-4	-6	-8	-9	-9	-10	-5	3
21	-11	-9	-11	-11	-10	-11	-11	-10	-9	-6	-1	2	4	4	4	3	2	3	2	1	3	1	1	1	-3	4
22	1	1	1	1	1	1	0	0	-2	-3	-3	-3	-3	-4	-4	-5	-7	-8	-9	-12	-13	-14	-17	-19	-5	1
23	-19	-20	-21	-21	-21	-19	-18	-18	-18	-13	-9	-7	-4	-3	-3	-3	-4	-7	-10	-12	-12	-12	-12	-13	-12	-3
24	-13	-13	-13	-14	-14	-16	-16	-14	-12	-9	-7	-1	-1	1	1	1	1	-1	-1	-1	-1	-1	-1	-4	-6	1
25	-6	-6	-7	-7	-6	-6	-6	-6	-7	-6	-4	-3	-1	-1	-1	-1	-2	-2	-3	-3	-3	-4	-4	-5	-4	-1
26	-5	-6	-6	-6	-6	-7	-7	-8	-8	-8	-8	-7	-7	-7	-8	-8	-8	-8	-10	-10	-12	-14	-15	-17	-9	-5
27	-19	-18	-21	-21	-20	-21	-21	-20	-18	-15	-9	-8	-6	-5	-5	-4	-6	-8	-10	-12	-11	-10	-10	-11	-13	-4
28	-11	-12	-13	-14	-15	-18	-22	-22	-19	-16	-15	-10	-7	-6	-4	-4	-5	-8	-8	-9	-9	-12	-13	-13	-12	-4
29	-13	-12	-12	-12	-14	-14	-16	-15	-14	-14	-14	-13	-13	-12	-12	-10	-11	-13	-16	-17	-20	-22	-24	-24	-15	-10
30	-24	-25	-26	-26	-25	-26	-26	-26	-21	-19	-19	-16	-13	-9	-8	-9	-10	-13	-16	-18	-19	-20	-21	-21	-19	-8
31	-21	-22	-22	-22	-21	-22	-20	-22	-18	-17	-16	-8	-4	-4	-4	-3	-4	-4	-6	-8	-9	-10	-9	-10	-13	-3
AV	-9	-10	-10	-10	-10	-10	-10	-10	-9	-8	-6	-4	-2	-2	-2	-1	-2	-4	-5	-6	-7	-7	-8	-8	-7	
PK	4	4	4	4	5	5	5	4	4	4	4	5	6	6	6	6	6	4	4	4	4	4	4	4		6

TEMPERATURE @ 10M
DEGREE C

OB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-21	-21	-22	-23	-24	-25	-26	-26	-26	-24	-23	-23	-21	-20	-19	-19	-20	-21	-22	-23	-23	-23	-22	-22	-22	-19
2	-23	-22	-22	-21	-21	-21	-18	-17	-16	-14	-14	-13	-13	-12	-11	-11	-11	-11	-11	-9	-9	-9	-8	-9	-14	-8
3	-8	-8	-8	-7	-7	-7	-7	-7	-7	-6	-5	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-5	-2
4	-1	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-2	-2	-3	-3	-3	-3	-1	0
5	-4	-3	-2	-2	-2	-2	-2	-2	-1	-1	1	-1	-1	-1	-2	-3	-3	-4	-5	-6	-6	-6	-7	-7	-3	1
6	-7	-7	-7	-8	-8	-8	-9	-9	-9	-9	-9	-8	-7	-6	-5	-5	-6	-6	-7	-9	-9	-9	-9	-9	-8	-5
7	-10	-11	-13	-14	-14	-16	-17	-19	-17	-14	-14	-12	-11	-9	-8	-8	-8	-9	-12	-12	-13	-13	-12	-12	-12	-8
8	-12	-17	-17	-18	-17	-14	-13	-12	-12	-9	-8	-8	-8	-7	-6	-5	-4	-6	-7	-7	-6	-7	-7	-8	-10	-4
9	-8	-8	-8	-9	-9	-9	-8	-7	-7	-6	-7	-7	-6	-4	-3	-3	-7	-7	-8	-11	-9	-9	-9	-9	-8	-3
10	-9	-9	-9	-8	-10	-10	-10	-11	-11	-10	-9	-6	-4	-4	-3	-3	-3	-3	-3	-3	-3	-2	-3	-3	-6	-2
11	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	1	1	1	0	-1	0	0	0	1	1	-1	1
12	1	1	2	2	2	2	1	1	1	1	1	2	2	2	1	-1	-1	-1	-1	-3	-4	-5	-7	-9	0	2
13	-11	-12	-12	-12	-13	-12	-12	-12	-11	-12	-9	-8	-7	-6	-6	-5	-4	-7	-9	-9	-10	-9	-10	-9	-9	-4
14	-10	-10	-10	-10	-9	-9	-9	-9	-8	-7	-6	-3	-3	-4	-6	-6	-6	-6	-4	-4	-4	-3	-3	-4	-6	-3
15	-3	-3	-3	-3	-3	-4	-3	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1	-2	-1
16	-1	-1	-1	-1	-1	0	0	0	1	1	1	1	-1	-2	-2	-1	-1	-1	-2	-2	-3	-3	-3	-3	-1	1
17	-3	-3	-4	-6	-6	-6	-6	-7	-6	-6	-4	-3	-2	-2	-2	-2	-1	-1	-2	-2	-1	2	2	2	-3	2
18	2	1	1	1	1	1	1	0	1	1	2	3	3	3	3	2	2	2	2	1	-1	-1	-1	-1	1	3
19	-3	-3	-3	-3	-3	-3	-4	-4	-5	-6	-6	-6	-5	-3	-4	-4	(IM)	-6	-7	-8	-9	-8	-8	-8	-5	-3
20	-8	-8	-9	-9	-9	-9	-9	-9	-9	-7	-5	-4	-4	-3	-2	-3	-3	-5	-7	-7	-7	-7	-7	-7	-7	-2
21	-7	-7	-7	-7	-8	-8	-8	-8	-8	-6	-2	-1	0	0	-1	-1	-2	-1	-2	-2	-3	-3	-3	-4	-4	0
22	-3	-3	-3	-3	-3	-4	-5	-5	-6	-8	-8	-8	-9	-10	-10	-11	-12	-13	-14	-15	-15	-16	-16	-17	-9	-3
23	-17	-17	-18	-18	-17	-17	-16	-16	-15	-13	-11	-9	-9	-9	-8	-8	-9	-11	-11	-12	-13	-12	-12	-12	-13	-3
24	-12	-13	-12	-11	-11	-10	-11	-11	-10	-7	-6	-5	-3	-3	-3	-4	-4	-5	-5	-5	-5	-5	-5	-5	-7	-3
25	-5	-6	-6	-6	-10	-9	-9	-7	-9	-10	-8	-6	-5	-4	-4	-5	-6	-7	-7	-8	-8	-8	-9	-9	-7	-4
26	-9	-10	-10	-11	-11	-12	-12	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-14	-14	-15	-15	-16	-16	-16	-13	-9
27	-17	-17	-18	-17	-18	-18	-18	-17	-17	-15	-12	-11	-11	-11	-10	-10	-11	-12	-13	-13	-13	-12	-13	-13	-14	-10
28	-13	-13	-14	-14	-14	-14	-14	-15	-14	-12	-10	-9	-8	-8	-8	-8	-10	-12	-13	-14	-14	-15	-15	-15	-12	-8
29	-16	-16	-16	-16	(IM)	-17	-18	-18	-18	-18	-18	-17	-17	-17	-16	-16	-16	-16	-18	-19	-19	-19	-21	-22	-18	-16
30	-22	-21	-23	-23	-23	-23	-22	-21	-21	-19	-17	-15	-14	-13	-13	-13	-13	-16	-16	-18	-17	-17	-17	-16	-19	-13
31	-17	-17	-17	-17	-17	-16	-16	-15	-15	-12	-9	-9	-8	-8	-8	-8	-8	-9	-9	-9	-10	-9	-9	-9	-12	-8
AV	-9	-9	-9	-10	-10	-10	-10	-10	-9	-9	-8	-7	-6	-6	-6	-6	-6	-7	-8	-8	-8	-8	-8	-9	-8	
PK	2	1	2	2	2	2	1	1	1	1	2	3	3	3	3	2	2	2	2	1	0	2	2	2		3

II B-600

(05/07/79-RPI)

TEMPERATURE @ 30M
DEGREE C

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-21	-21	-22	-23	-24	-26	-25	-25	-26	-24	-23	-23	-22	-21	-20	-20	-21	-21	-21	-22	-22	-23	-24	-22	-22	-20
2	-22	-22	-22	-21	-21	-21	-19	-16	-17	-16	-14	-14	-14	-13	-12	-12	-11	-11	-11	-10	-9	-9	-8	-9	-15	-8
3	-9	-8	-8	-8	-7	-7	-7	-7	-7	-6	-6	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-2	-2	-2	-5	-2
4	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-3	-3	-4	-4	-2	-1
5	-4	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1	-2	-2	-2	-2	-3	-3	-4	-4	-7	-7	-7	-7	-7	-3	-1
6	-7	-8	-8	-8	-9	-9	-9	-9	-10	-10	-9	-9	-7	-7	-7	-6	-6	-7	-7	-9	-9	-9	-9	-9	-3	-6
7	-10	-11	-13	-14	-15	-15	-17	-19	-18	-14	-17	-13	-12	-9	-9	-9	-9	-9	-12	-12	-12	-13	-12	-11	-13	-9
8	-12	-14	-15	-16	-16	-12	-12	-11	-9	-8	-7	-7	-6	-6	-5	-5	-5	-6	-7	-7	-7	-7	-7	-7	-9	-5
9	-8	-7	-8	-9	-9	-9	-8	-7	-7	-8	-7	-6	-6	-4	-3	-3	-4	-7	-9	-9	-9	-9	-10	-10	-7	-3
10	-9	-10	-9	-9	-12	-11	-9	-11	-11	-10	-9	-7	-6	-4	-3	-3	-3	-4	-3	-3	-3	-3	-3	-4	-7	-3
11	-3	-3	-2	-3	-3	-3	-3	-3	-3	-2	-1	-1	-1	0	0	1	0	-1	-1	-1	0	0	1	1	-1	1
12	1	1	1	2	2	1	1	1	0	1	1	1	2	2	-1	-1	-1	-1	-2	-3	-4	-6	-7	-10	-1	2
13	-13	-12	-12	-12	-12	-12	-12	-12	-11	-11	-9	-8	-8	-7	-6	-6	-6	-7	-8	-8	-9	-9	-9	-9	-10	-6
14	-10	-10	-10	-9	-9	-9	-9	-9	-9	-8	-6	-4	-3	-5	-7	-7	-6	-6	-6	-6	-5	-3	-4	-4	-7	-3
15	-3	-3	-4	-3	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-1	-1	-2	-2	-2	-2	-1	-1	-1	-1	-3	-1
16	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	0	1	1	-1	-1	-1	-1	-2	-2	-2	-2	-3	-3	-3	-1	1
17	-3	-3	-4	-4	-5	-5	-6	-6	-6	-6	-4	-4	-3	-3	-3	-3	-1	0	-3	-2	-1	2	2	2	-3	2
18	1	1	1	1	1	1	1	0	1	1	2	2	2	3	2	2	1	1	0	-1	-2	-2	-2	-2	1	3
19	-3	-3	-3	-4	-4	-4	-4	-4	-6	-6	-6	-6	-6	-4	-5	-5	(IM)	-7	-8	-8	-8	-8	-8	-8	-6	-3
20	-9	-8	-9	-9	-9	-9	-9	-9	-9	-7	-6	-5	-4	-4	-3	-3	-4	-5	-6	-7	-7	-7	-7	-7	-7	-3
21	-7	-7	-7	-7	-7	-7	-6	-7	-7	-6	-3	-2	-1	-1	-1	-2	-2	-2	-2	-3	-3	-4	-4	-4	-4	-1
22	-4	-3	-3	-3	-4	-4	-5	-5	-7	-8	-9	-9	-10	-10	-11	-11	-12	-14	-15	-15	-16	-16	-16	-17	-9	-3
23	-17	-17	-17	-17	-16	-16	-15	-15	-15	-14	-11	-10	-9	-9	-9	-9	-10	-11	-11	-12	-12	-12	-12	-12	-13	-9
24	-12	-12	-11	-11	-11	-10	-11	-10	-10	-7	-6	-5	-4	-3	-4	-4	-5	-5	-5	-5	-6	-6	-6	-6	-7	-3
25	-6	-6	-6	-6	-9	-9	-8	-7	-9	-10	-9	-7	-6	-5	-5	-6	-7	-7	-8	-8	-9	-9	-9	-9	-7	-5
26	-9	-10	-11	-11	-12	-12	-13	-13	-14	-14	-13	-13	-13	-13	-14	-14	-14	-15	-15	-15	-16	-16	-16	-16	-13	-9
27	-17	-17	-18	-17	-17	-17	-17	-17	-16	-15	-13	-12	-11	-11	-11	-11	-12	-13	-13	-13	-13	-13	-13	-13	-14	-11
28	-13	-13	-14	-14	-14	-14	-15	-15	-14	-13	-11	-9	-9	-9	-9	-9	-10	-12	-12	-13	-14	-15	-16	-16	-13	-9
29	-16	-16	-16	-16	(IM)	-18	-18	-18	-19	-19	-19	-18	-18	-17	-17	-17	-17	-18	-19	-19	-20	-21	-21	-22	-18	-16
30	-22	-22	-22	-22	-22	-22	-22	-22	-22	-21	-17	-15	-14	-14	-14	-14	-14	-16	-16	-17	-17	-16	-16	-16	-19	-14
31	-17	-17	-17	-16	-16	-16	-15	-15	-15	-14	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-10	-9	-9	-9	-12	-9
AV	-9	-9	-9	-10	-10	-10	-10	-10	-10	-9	-8	-7	-7	-6	-6	-6	-7	-7	-8	-8	-8	-8	-8	-9	-8	
PK	1	1	1	2	2	1	1	1	1	1	2	2	2	3	2	2	1	1	0	-1	0	2	2	2		3

II B-601

TEMPERATURE @ 60M **
DEGREE C

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-20	-21	-22	-23	-24	-24	-25	-24	-25	-24	-23	-23	-21	-20	-19	-19	-20	-20	-20	-21	-21	-22	-21	-21	-22	-19
2	-22	-21	-20	-20	-20	-20	-18	-17	-16	-15	-14	-13	-13	-12	-11	-11	-11	-11	-11	-9	-9	-9	-8	-9	-14	-8
3	-8	-8	-8	-7	-7	-7	-7	-6	-6	-6	-5	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-1	-2	-1	-4	-1
4	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-2	-2	-3	-3	-2	-3	-1	0
5	-4	-3	-2	-2	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-2	-3	-3	-4	-5	-6	-6	-6	-7	-7	-3	1
6	-7	-7	-7	-8	-8	-8	-9	-9	-10	-9	-9	-8	-7	-6	-5	-5	-6	-6	-6	-8	-8	-8	-9	-9	-8	-5
7	-10	-10	-12	-14	-14	-15	-16	-17	-15	-13	-13	-11	-10	-9	-8	-8	-8	-8	-11	-11	-10	-10	-9	-10	-11	-8
8	-9	-13	-13	-15	-13	-10	-9	-10	-9	-7	-7	-6	-5	-5	-5	-4	-4	-6	-6	-5	-6	-6	-6	-6	-8	-4
9	-6	-7	-7	-8	-8	-8	-7	-6	-5	-6	-5	-4	-5	-4	-3	-3	-4	-5	-7	-11	-8	-9	-6	-9	-6	-3
10	-9	-8	-7	-6	-7	-9	-9	-10	-10	-8	-7	-5	-5	-4	-3	-3	-3	-4	-3	-3	-3	-2	-3	-3	-6	-2
11	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	1	1	1	0	-1	0	0	0	1	2	-1	2
12	1	1	1	2	3	2	1	1	1	1	1	2	2	2	0	-1	-1	-1	-1	-3	-4	-5	-7	-9	0	3
13	-11	-12	-12	-12	-12	-11	-11	-11	-11	-10	-9	-8	-7	-6	-6	-5	-4	-7	-7	-8	-9	-9	-8	-9	-9	-4
14	-9	-10	-9	-9	-9	-9	-9	-8	-8	-7	-5	-3	-3	-4	-6	-6	-6	-6	-5	-4	-4	-3	-3	-4	-6	-3
15	-3	-3	-3	-3	-3	-4	-3	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	-1	-2	-1	0	-1	-1	-1	-2	0
16	-1	0	-1	-1	-1	0	0	0	1	1	1	1	1	-2	-1	0	0	0	-1	-1	-1	-1	-2	-2	0	1
17	-2	-2	-2	-4	-4	-5	-5	-5	-5	-5	-4	-3	-2	-1	-1	-1	2	2	-2	0	1	2	2	2	-2	2
18	2	1	1	1	1	2	2	1	2	2	2	3	3	3	3	2	2	2	2	1	-1	-1	-1	-1	1	3
19	-3	-3	-3	-3	-3	-3	-4	-4	-5	-6	-6	-6	-5	-3	-5	-5	( )	-6	-7	-7	-7	-8	-8	-8	-5	-3
20	-8	-8	-8	-9	-9	-9	-9	-9	-8	-7	-5	-4	-4	-3	-3	-3	-3	-4	-5	-6	-6	-6	-6	-6	-6	-3
21	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-2	-1	0	0	-1	-2	-1	-2	-2	-3	-3	-3	-4	-4	-4	0
22	-3	-3	-3	-3	-3	-4	-5	-5	-7	-8	-8	-8	-9	-10	-10	-11	-12	-13	-14	-15	-15	-16	-16	-16	-9	-3
23	-16	-17	-17	-16	-15	-15	-15	-15	-14	-13	-11	-10	-9	-8	-8	-8	-9	-10	-10	-11	-11	-11	-12	-12	-12	-8
24	-11	-11	-11	-10	-11	-10	-9	-9	-9	-7	-6	-5	-3	-3	-3	-4	-5	-5	-5	-5	-5	-6	-6	-5	-7	-3
25	-5	-6	-6	-6	-7	-7	-6	-7	-7	-9	-8	-6	-5	-4	-4	-5	-6	-7	-7	-8	-8	-9	-9	-9	-7	-4
26	-9	-10	-10	-11	-11	-12	-13	-13	-14	-13	-13	-13	-13	-13	-13	-13	-14	-14	-15	-15	-15	-16	-16	-16	-13	-9
27	-17	-17	-17	-17	-16	-16	-16	-16	-15	-14	-12	-11	-11	-11	-10	-11	-11	-12	-13	-13	-13	-12	-13	-13	-14	-10
28	-13	-13	-13	-14	-14	-14	-14	-14	-13	-12	-10	-9	-8	-8	-8	-9	-10	-12	-13	-14	-15	-15	-16	-15	-12	-8
29	-15	-16	-16	-16	( )	-17	-18	-18	-19	-19	-18	-17	-17	-17	-16	-16	-16	-16	-18	-18	-19	-19	-20	-21	-17	-15
30	-21	-20	-22	-21	-21	-21	-21	-19	-19	-18	-16	-15	-14	-13	-13	-13	-13	-15	-14	-16	-16	-16	-16	-15	-17	-13
31	-15	-15	-16	-16	-16	-15	-15	-14	-13	-12	-9	-9	-8	-8	-8	-9	-9	-9	-9	-9	-9	-9	-8	-9	-11	-8
AV	-8	-9	-9	-9	-9	-9	-9	-9	-9	-8	-7	-6	-6	-6	-6	-6	-6	-7	-7	-8	-8	-8	-8	-8	-8	
PK	2	1	1	2	3	2	2	1	2	2	2	3	3	3	3	2	2	2	2	1	1	2	2	2		3

** Computed using Delta Temperature 60-10m and Temperature at 10m.

(06/07/79-RF1)

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD42 PERIOD(1/01/79 TO 1/31/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-25	-26	-26	-26	-27	-30	-30	-31	-30	-25	-21	-21	-21	-20	-17	-17	-20	-23	-26	-27	-28	-28	-28	-27	-24
2	-27	-27	-26	-26	-25	-25	-22	-20	-18	-16	-13	-14	-14	-13	-12	-12	-12	-12	-13	-12	-12	-13	-12	-12	-16
3	-12	-12	-12	-12	-12	-11	-11	-12	-11	-8	-5	-3	-4	-3	-3	-4	-3	-6	-6	-6	-6	-6	-6	-7	-7
4	-6	-10	-8	-4	-4	-4	-3	-3	-3	-3	-1	-1	-1	-1	-1	-1	-1	-1	-3	-3	-3	-4	-5	-6	-2
5	-6	-5	-5	-5	-5	-5	-5	-5	-5	-2	-2	-1	-1	-1	-2	-3	-4	-6	-6	-8	-8	-8	-8	-8	-4
6	-8	-8	-8	-10	-10	-10	-11	-11	-10	-10	-10	-6	-6	-2	-6	-5	-7	-8	-11	-12	-12	-12	-12	-12	-8
7	-14	-17	-17	-17	-18	-18	-20	-21	-21	-18	-11	-6	-7	-7	-5	-6	-10	-10	-21	-20	-20	-21	-22	-22	-14
8	-23	-23	-25	-25	-25	-25	-23	-23	-21	-16	-14	-12	-8	-6	-6	-7	-11	-12	-12	-12	-12	-12	-16	-16	-15
9	-16	-16	-16	-14	-15	-14	-17	-16	-14	-13	-12	-8	-6	-4	-4	-5	-7	-8	-11	-12	-12	-12	-12	-12	-11
10	-12	-12	-12	-12	-13	-13	-12	-12	-12	-11	-6	-6	-5	-3	-3	-3	-3	-3	-4	-4	-4	-4	-5	-5	-6
11	-4	-5	-5	-4	-4	-3	-3	-3	-3	-3	-2	-1	-1	-1	-1	-1	-1	-2	-2	-2	-3	-2	-1	-2	-1
12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	-2	-3	0	0	0	-6	-6	-8	-12	-1
13	-12	-12	-14	-15	-17	-15	-15	-14	-14	-11	-11	-6	-3	-6	-5	-5	-6	-10	-13	-14	-15	-15	-17	-17	-11
14	-21	-21	-16	-16	-14	-13	-12	-12	-12	-6	-6	-3	-3	-6	-6	-6	-7	-7	-7	-7	-6	-6	-6	-6	-8
15	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-1	-3	-3	-3	-1	-1	-3	-3	-4	-4	-3	-3	-3	-3	-3
16	-3	-3	-3	-3	-3	-3	-3	-3	-4	-1	-1	-1	-2	-2	-2	-1	-1	-3	-4	-5	-6	-7	-9	-11	-3
17	-11	-11	-12	-12	-12	-11	-11	-10	-10	-7	-6	-1	-1	-3	-3	-3	-3	-5	-5	-5	-2	-1	-1	-2	-5
18	-2	-3	-3	-3	-4	-4	-4	-3	-1	0	0	1	2	0	0	0	-1	-1	-1	-3	-3	-3	-3	-4	-1
19	-4	-5	-5	-5	-5	-6	-6	-7	-7	-7	-6	-6	-4	-4	-4	-5	-5	-6	-8	-11	-11	-12	-12	-12	-6
20	-12	-12	-12	-12	-12	-12	-12	-14	-14	-8	-1	0	-1	0	0	0	-3	-6	-8	-10	-12	-12	-14	-14	-7
21	-14	-14	-15	-14	-14	-13	-12	-11	-11	-7	-3	0	2	0	0	-2	-3	-3	-4	-4	-5	-5	-5	-5	-6
22	-5	-5	-3	-3	-3	-4	-5	-6	-8	-8	-8	-8	-8	-11	-11	-11	-11	-12	-14	-15	-17	-17	-17	-18	-9
23	-20	-22	-23	-23	-23	-23	-23	-22	-20	-15	-11	-8	-6	-6	-6	-6	-8	-11	-14	-15	-17	-17	-17	-17	-15
24	-16	-16	-16	-16	-16	-16	-17	-17	-14	-8	-6	-6	-3	-2	-3	-3	-3	-6	-6	-6	-6	-6	-6	-6	-8
25	-6	-6	-6	-11	-11	-11	-11	-12	-12	-11	-6	0	-2	-3	-3	-3	-6	-7	-8	-8	-8	-8	-8	-11	-6
26	-11	-11	-12	32	-12	-13	-13	-14	-14	-14	-14	-14	-13	-13	-13	-13	-14	-14	-15	-16	-17	-17	-18	-20	-11
27	-21	-22	-22	-23	-23	-23	-23	-23	-20	-15	-13	-8	-8	-8	-8	-10	-12	-14	-15	-16	-16	-15	-14	-15	-15
28	-15	-17	-17	-17	-18	-19	-21	-21	-19	-14	-11	-10	-8	-7	-6	-8	-8	-13	-13	-14	-15	-17	-17	-17	-13
29	-17	-17	-17	-17	-18	-18	-20	-20	-20	-20	-20	-18	-17	-17	-17	-17	-18	-18	-20	-20	-22	-25	-26	-27	-18
30	-27	-27	-27	-27	-28	-28	-28	-28	-25	-18	-15	-15	-15	-13	-13	-13	-14	-17	-18	-21	-21	-17	-17	-19	-19
31	-19	-19	-18	-18	-18	-18	-18	-17	-20	-19	-15	-11	-8	-8	-8	-8	-8	-9	-10	-11	-12	-13	-13	-14	-13
MEAN	-12	-12	-12	-11	-12	-12	-13	-13	-12	-9	-7	-5	-5	-5	-4	-5	-6	-7	-9	-9	-10	-10	-11	-11	-9

TOTAL NUMBER OF OBSERVATIONS = 744

DELTA TEMPERATURE 60-10M
DEGREE C*100

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	65	50	35	30	85	65	95	125	100	45	-5	-10	-10	-5	0	-10	-12	65	137	240	225	175	110	82	70	240
2	150	145	175	50	60	75	20	-5	-10	-10	-10	-15	-5	-15	-10	-5	-10	-10	-10	0	25	10	-10	30	26	175
3	20	-10	0	0	0	25	35	95	65	0	0	5	5	0	5	0	0	5	10	10	75	95	10	100	23	100
4	10	26	10	0	0	0	20	20	15	0	5	0	0	5	35	20	5	10	-5	-5	-5	0	31	60	11	60
5	31	10	20	15	25	25	30	20	10	0	0	15	0	-10	0	-5	0	20	-5	-10	-10	0	5	0	8	31
6	-5	-10	-5	-10	-10	0	5	-5	-15	0	5	-10	0	-25	0	-10	0	50	100	45	50	59	40	20	11	100
7	0	75	45	35	20	45	31	195	200	175	125	75	5	0	10	-5	-5	115	95	55	275	265	225	205	94	275
8	369	450	385	325	430	435	419	250	225	200	180	230	295	188	125	95	0	35	50	120	40	105	60	135	214	450
9	225	125	93	170	170	160	120	105	125	45	120	300	120	25	-5	-5	225	200	125	55	120	95	100	65	120	300
10	50	100	150	200	250	95	120	79	40	175	200	135	-5	10	-15	-10	-15	-15	-15	-10	-10	-10	-15	-5	62	250
11	-5	-10	-5	-5	5	15	10	-5	-15	-15	-10	0	-5	25	5	31	0	5	5	-10	10	20	45	45	6	45
12	-10	-5	-15	25	45	10	10	20	15	15	0	0	0	-10	-10	0	5	15	5	-5	-15	-20	-20	15	3	45
13	0	0	20	55	110	95	79	79	55	120	0	-5	0	-5	0	5	0	0	233	150	95	95	160	45	58	233
14	116	0	100	100	70	90	70	75	75	20	20	15	0	-5	-15	-15	-15	-10	-10	0	0	0	-5	-5	28	116
15	-10	-10	0	-10	0	0	0	5	10	-5	0	31	-5	-10	-5	-5	-10	0	0	0	10	0	5	5	0	31
16	0	15	0	5	-5	0	-5	-5	-5	40	40	95	120	-5	55	10	25	95	100	90	166	230	145	155	57	230
17	105	95	150	200	125	60	125	210	132	76	20	25	40	25	85	20	245	285	20	125	245	45	75	80	109	285
18	75	95	55	31	75	75	50	125	75	60	20	10	5	25	20	-5	-10	-5	-5	-10	-10	0	25	35	34	125
19	5	0	10	0	0	10	0	5	0	5	5	0	5	-5	-39	-41	(IM)	-17	12	27	39	33	13	41	5	41
20	-8	-8	29	22	13	5	9	19	69	12	-7	-21	-11	-7	-10	-11	-2	48	169	78	97	65	56	126	30	169
21	96	52	71	122	181	249	266	223	270	146	24	11	8	-2	-9	-17	11	-26	-31	-27	-19	-18	-28	-27	64	270
22	-24	-22	-22	-23	-23	-24	-35	-14	-16	23	23	-9	-44	-39	-50	-47	-46	-39	-17	27	14	-1	7	75	-14	75
23	75	71	91	144	162	167	95	110	101	73	-3	-6	1	6	-2	-16	-25	23	137	120	186	105	53	58	72	186
24	45	153	146	106	68	47	132	181	143	2	-3	6	2	-8	-25	-33	-33	-31	-17	-21	-34	-38	-23	-15	31	181
25	-25	-3	-6	48	295	233	234	46	206	111	49	13	-13	-35	-29	-33	-42	-31	-24	-27	-25	-19	23	15	40	295
26	-5	-19	-18	-30	-35	-39	-39	-40	-36	-12	-10	-6	-6	-10	-26	-32	-35	-38	-32	-25	-17	-3	6	-8	-21	6
27	0	67	102	71	144	105	115	42	131	76	-63	-15	-14	-20	-23	-36	-33	-4	19	18	7	-6	10	19	30	144
28	17	-2	56	13	8	27	30	126	52	27	7	8	-5	-10	-22	-31	-10	-42	-48	-48	-21	-2	-10	-3	5	126
29	36	14	-20	-36	(IM)	5	-10	-20	-20	-20	-10	0	-10	-25	-10	-10	-10	-10	10	40	50	45	100	75	7	100
30	80	90	105	160	160	200	100	135	200	125	40	35	15	30	5	0	-15	50	115	200	160	80	110	75	94	200
31	125	175	150	100	110	110	95	110	150	35	25	20	0	-5	-10	-15	-20	-20	15	20	100	31	45	95	60	175
AV	52	55	62	62	85	76	72	74	76	50	25	30	16	3	1	-7	6	23	37	39	59	46	44	51	43	
PK	369	450	385	325	430	435	419	250	270	200	200	300	295	188	125	95	245	285	233	240	275	265	225	205		450

RELATIVE HUMIDITY @ 3M
PERCENT

CR-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	94	96	95	95	95	94	94	94	93	93	89	68	62	59	52	50	49	55	70	74	78	78	78	78	78	96
2	78	78	78	78	73	73	73	67	65	60	55	49	49	49	46	44	44	43	44	44	43	44	43	39	57	78
3	46	41	39	39	42	40	40	42	44	46	39	39	39	40	42	42	45	48	47	56	59	66	67	66	46	67
4	65	57	58	53	59	64	56	55	52	50	50	48	47	47	47	48	49	52	54	55	56	56	57	61	54	65
5	63	63	63	63	64	64	65	66	66	63	61	60	59	60	64	89	94	97	99	99	99	99	99	99	76	99
6	99	99	98	98	98	97	97	97	97	96	92	88	75	66	62	61	63	76	87	93	95	96	96	96	88	99
7	94	93	94	93	95	95	92	91	88	88	76	66	56	48	39	37	38	45	66	74	75	76	71	71	73	95
8	66	71	81	83	85	86	84	86	81	66	56	52	52	48	47	47	48	48	52	55	55	52	53	52	63	86
9	52	59	68	71	78	83	83	83	76	71	72	71	74	76	77	73	74	82	92	95	95	96	96	96	79	96
10	96	96	96	97	96	95	96	96	96	95	92	87	81	77	76	76	74	76	76	75	75	75	74	84	86	97
11	83	77	75	75	77	75	75	77	75	77	78	79	75	74	72	74	76	78	80	80	80	81	81	81	77	83
12	83	81	81	82	81	80	80	80	81	82	83	82	76	74	71	79	87	86	86	86	79	78	79	84	81	87
13	85	88	92	92	93	93	93	94	94	94	94	93	76	61	51	45	44	42	42	53	70	75	82	87	76	94
14	87	86	86	82	82	83	83	82	78	76	72	58	47	40	40	51	67	73	79	81	81	83	85	82	74	87
15	88	79	77	78	77	77	77	78	79	81	80	83	74	74	73	77	72	73	76	82	84	82	81	80	78	88
16	79	80	90	91	84	83	85	86	79	79	81	79	76	80	70	90	98	84	78	82	86	83	85	88	83	98
17	92	92	94	94	95	96	99	100	100	99	100	100	98	89	77	77	80	91	94	98	100	100	100	87	94	100
18	87	87	93	94	97	97	97	97	94	94	94	78	67	67	62	60	61	62	63	68	75	90	92	94	82	97
19	94	94	96	97	97	97	97	96	( )	( )	( )	76	76	67	61	62	60	63	67	73	77	82	86	87	81	97
20	89	91	91	91	93	93	93	93	89	90	72	57	46	43	40	41	44	50	61	74	77	82	83	83	74	93
21	83	83	82	82	83	83	85	85	84	78	60	47	46	45	45	45	48	53	54	55	56	56	57	58	65	85
22	60	59	59	58	58	59	68	76	82	93	89	69	55	56	76	80	80	86	85	87	92	92	92	92	75	93
23	91	91	91	91	91	91	91	90	90	91	88	64	46	41	40	40	40	46	50	53	56	56	56	55	68	91
24	59	60	60	61	61	58	57	58	60	56	43	40	38	36	35	36	40	41	44	47	48	48	60	64	50	64
25	61	60	61	65	66	70	73	76	89	90	89	85	76	64	62	68	80	90	94	95	96	96	96	96	79	96
26	96	96	96	96	96	96	96	95	94	( )	( )	( )	85	83	82	82	83	85	88	88	88	89	90	90	90	96
27	89	87	87	88	88	88	88	88	88	88	88	67	62	61	59	57	57	59	67	68	68	69	70	70	75	89
28	74	77	78	79	80	82	82	86	85	83	62	47	42	46	47	54	56	69	74	83	87	89	91	92	73	92
29	92	91	92	92	91	91	91	91	91	91	89	87	82	81	78	74	73	75	82	87	87	88	88	87	86	92
30	88	88	88	88	87	87	87	87	87	88	88	70	65	56	52	58	60	59	66	72	76	78	78	79	76	88
31	82	81	81	82	83	83	82	79	78	70	60	48	45	51	54	55	59	65	72	75	78	83	87	82	71	87
AV	80	80	81	82	82	82	83	83	82	80	76	68	63	60	58	60	63	66	71	74	76	78	79	79	75	
PK	99	99	98	98	98	97	99	100	100	99	100	100	98	89	82	90	98	97	99	99	100	100	100	99		100

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	0	0	0	0	0	0	0	2	7	13	18	21	22	19	13	5	3	0	0	0	0	0	0	0	123	22
2	0	0	0	0	0	0	0	0	2	6	12	15	17	18	9	6	3	0	0	0	0	0	0	0	88	18
3	0	0	0	0	0	0	0	0	5	11	20	23	26	22	15	9	3	0	0	0	0	0	0	0	134	26
4	0	0	0	0	0	0	0	0	2	4	12	14	14	10	9	5	2	0	0	0	0	0	0	0	72	14
5	0	0	0	0	0	0	0	1	5	14	26	29	25	13	8	5	2	0	0	0	0	0	0	0	129	29
6	0	0	0	0	0	0	0	0	1	3	4	8	10	8	5	3	1	0	0	0	0	0	0	0	43	10
7	0	0	0	0	0	0	0	0	3	7	10	12	12	11	9	5	2	0	0	0	0	0	0	0	71	12
8	0	0	0	0	0	0	0	0	3	8	11	13	11	12	20	10	4	0	0	0	0	0	0	0	92	20
9	0	0	0	0	0	0	0	1	4	6	17	21	27	19	11	9	3	0	0	0	0	0	0	0	118	27
10	0	0	0	0	0	0	0	0	3	8	13	14	16	13	17	15	3	0	0	0	0	0	0	0	102	17
11	0	0	0	0	0	0	0	0	2	4	7	12	11	16	17	12	2	0	0	0	0	0	0	0	83	17
12	0	0	0	0	0	0	0	0	5	7	11	14	19	9	8	7	2	0	0	0	0	0	0	0	82	19
13	0	0	0	0	0	0	0	0	4	12	25	31	37	29	36	18	5	0	0	0	0	0	0	0	197	37
14	0	0	0	0	0	0	0	0	4	18	24	27	17	15	9	5	2	0	0	0	0	0	0	0	121	27
15	0	0	0	0	0	0	0	0	3	7	17	20	18	16	15	11	5	0	0	0	0	0	0	0	112	20
16	0	0	0	0	0	0	0	0	4	10	19	22	33	11	11	9	5	0	0	0	0	0	0	0	124	33
17	0	0	0	0	0	0	0	1	5	9	9	18	23	14	14	3	2	0	0	0	0	0	0	0	93	23
18	0	0	0	0	0	0	0	0	2	3	5	11	29	45	21	15	7	1	0	0	0	0	0	0	139	45
19	0	0	0	0	0	0	0	0	2	9	14	15	13	17	14	13	(IM)	0	0	0	0	0	0	0	97	17
20	0	0	0	0	0	0	0	0	5	15	21	35	46	45	37	20	7	0	0	0	0	0	0	0	230	46
21	0	0	0	0	0	0	0	1	12	26	36	42	43	36	30	10	4	0	0	0	0	0	0	0	238	43
22	0	0	0	0	0	0	0	0	2	9	22	30	21	25	21	9	4	0	0	0	0	0	0	0	143	30
23	0	0	0	0	0	0	0	0	15	30	43	53	50	43	35	21	7	0	0	0	0	0	0	0	297	53
24	0	0	0	0	0	0	0	0	11	25	34	43	39	31	18	9	4	0	0	0	0	0	0	0	213	43
25	0	0	0	0	0	0	0	0	5	10	18	30	34	23	18	11	4	0	0	0	0	0	0	0	151	34
26	0	0	0	0	0	0	0	0	3	11	12	17	20	19	16	12	5	0	0	0	0	0	0	0	115	20
27	0	0	0	0	0	0	0	0	7	12	17	20	31	38	35	22	8	0	0	0	0	0	0	0	190	38
28	0	0	0	0	0	0	0	1	12	30	38	47	37	31	20	16	7	0	0	0	0	0	0	0	239	47
29	0	0	0	0	(IM)	0	0	0	3	8	13	20	24	25	27	12	6	0	0	0	0	0	0	0	139	27
30	0	0	0	0	0	0	0	1	7	15	32	34	58	63	34	18	12	1	0	0	0	0	0	0	275	63
31	0	0	0	0	0	0	0	3	14	20	41	41	24	22	21	12	4	0	0	0	0	0	0	0	202	41
TL	0	0	0	0	0	0	0	11	160	370	601	751	807	718	572	335	127	2	0	0	0	0	0	0	4454	
PK	0	0	0	0	0	0	0	3	15	30	43	53	58	63	37	22	12	1	0	0	0	0	0	0		63

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	783	784	784	785	786	786	787	787	788	789	790	791	791	791	791	791	791	791	792	792	792	792	792	792	789	792
2	792	792	792	792	792	792	792	791	791	791	791	791	790	789	789	789	789	789	789	789	789	789	788	788	790	792
3	788	788	788	788	787	787	787	787	787	788	788	788	787	787	786	786	786	786	786	786	786	786	786	786	787	788
4	786	785	785	785	785	785	785	785	785	785	785	785	785	784	784	784	784	784	784	785	786	786	785	785	785	786
5	785	785	785	785	784	784	784	784	784	784	784	784	784	784	784	783	783	783	783	782	782	782	782	781	784	785
6	781	781	780	780	780	780	780	780	780	780	780	780	779	779	779	779	779	779	779	780	781	781	781	781	780	781
7	782	782	783	783	783	783	784	785	786	787	787	787	787	787	787	787	787	787	787	787	787	787	787	787	786	787
8	787	787	787	788	787	787	787	787	788	788	788	788	787	787	787	787	787	787	786	787	787	787	787	787	787	788
9	787	787	787	787	786	785	785	785	785	785	786	785	785	784	784	784	784	784	784	784	784	784	785	786	785	787
10	786	786	786	786	786	786	786	787	787	787	787	787	787	786	785	785	784	784	784	784	784	784	785	785	786	787
11	784	784	783	783	782	782	782	782	781	781	781	780	780	779	779	779	779	779	779	779	778	778	778	778	780	784
12	778	777	777	777	776	776	776	776	776	776	775	775	775	774	774	774	774	774	774	775	776	777	777	778	776	778
13	779	780	781	781	781	781	782	782	783	783	784	784	784	784	784	784	784	784	784	784	784	785	785	785	783	785
14	785	785	785	785	785	784	784	784	784	784	784	783	783	782	781	780	779	778	778	777	777	777	778	777	782	785
15	777	777	777	777	777	777	777	778	779	779	779	779	779	779	779	778	778	778	778	778	778	779	779	779	778	779
16	779	779	779	779	779	779	779	779	780	780	781	781	781	781	781	782	782	782	782	783	783	784	784	785	781	785
17	785	785	785	784	784	784	784	783	783	783	783	782	781	780	780	780	779	779	779	780	780	780	780	780	782	785
18	779	779	779	779	778	778	778	778	778	779	779	779	779	779	778	778	778	778	778	779	779	779	779	779	779	779
19	779	779	779	779	778	777	777	778	778	779	779	779	779	779	779	779	779 (IM)	780	781	781	782	782	783	783	780	783
20	784	784	785	785	786	786	787	787	787	788	788	788	788	787	787	787	787	787	787	787	787	787	787	787	787	788
21	787	787	787	787	787	786	786	786	786	786	785	785	783	782	782	781	780	780	779	778	778	777	777	776	783	787
22	775	774	773	773	772	772	772	772	772	773	773	774	774	774	774	775	776	777	778	779	779	780	780	780	775	780
23	780	780	780	780	780	780	780	781	781	781	782	782	781	781	781	781	781	781	781	781	781	781	781	781	781	782
24	781	781	781	780	780	779	779	778	778	778	779	778	776	776	775	775	775	775	775	774	774	774	773	773	777	781
25	773	772	772	771	771	771	771	771	771	771	772	771	771	770	770	770	771	771	772	772	772	772	773	773	771	773
26	773	773	773	773	773	773	773	773	773	774	774	775	775	775	775	776	776	777	778	778	779	779	780	780	775	780
27	780	780	780	780	780	780	780	780	781	781	781	781	780	779	779	779	778	778	778	778	778	778	778	778	779	781
28	778	778	778	778	778	777	777	777	777	777	777	776	776	775	774	774	774	774	774	774	774	774	774	774	776	778
29	773	773	773	772	(IM)	771	771	771	771	771	772	772	773	773	773	773	774	775	775	776	777	777	778	778	774	778
30	778	779	779	779	780	780	780	781	781	782	782	782	782	781	781	781	781	782	782	782	782	782	782	782	781	782
31	782	782	782	782	782	782	782	782	782	782	782	782	781	780	779	779	778	778	778	778	778	777	777	777	780	782
AV	781	781	781	781	781	781	781	781	781	782	782	782	781	781	781	781	781	781	781	781	781	781	781	781	781	
PK	792	792	792	792	792	792	792	791	791	791	791	791	791	791	791	791	791	791	792	792	792	792	792	792		792

II B-607

(06/07/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)						(TR)	5	(TR)	(TR)	(TR)	(TR)	(TR)								5	5
2			(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	3	(TR)	(TR)											5	3
3					(RF)	(RF)	(RF)					3	(RF)	(RF)	(RF)	(RF)									3	3
4																									( )	
5																			(TR)	(TR)	(TR)	3	3	3	9	3
6	(TR)	3	3	3	3	5	3	5	3	5	3	5	5	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	46	5
7	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)				(RF)	(RF)	(RF)	(RF)	5	3
8	(RF)	(RF)	(RF)						(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)									( )	
9					(TR)	(TR)	(TR)				(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3
10	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)									3	3
11																									( )	
12													(TR)	3											3	3
13					(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3											3	3
14																									( )	
15																			(TR)	(TR)	(TR)	(TR)	(TR)	3	3	3
16										(TR)	3				3										5	3
17											(TR)	(TR)	(TR)	(TR)	3	3	(TR)	15	38	5					63	38
18						(TR)	(TR)	(TR)	(TR)	10	3	(TR)							(TR)	5	3				20	10
19																									( )	
20																									( )	
21																									( )	
22								(TR)	(TR)	3					(TR)	3	(TR)	(TR)	(TR)	3					8	3
23											(TR)	3													3	3
24																									( )	
25							(TR)	(TR)	(TR)	3	(TR)	(TR)			(TR)	(TR)	(TR)	3	(TR)	3	(TR)	3	(TR)	3	13	3
26	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	3	3	3	3	3	(TR)	3											18	3
27									(TR)	3	3	3													9	3
28									(TR)	(TR)	3	(TR)													3	3
29	(TR)	5	(TR)	3	(TR)	(TR)	3	(TR)	3	(TR)	3	(TR)	3	3	3										23	5
30										3	(TR)														3	3
31										(TR)	(TR)	(TR)													( )	
TL	3	8	3	10	3	5	5	10	8	28	18	23	8	13	8	8	3	18	38	15	3	5	3	8	249	
PK	3	5	3	3	3	5	3	5	3	10	3	5	5	3	3	3	3	15	38	5	3	3	3	3		38

II B-608

(04/07/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE INC.

	HOUR (LOCAL STANDARD TIME)																								TL	PEAK
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1																								( )		
2																								( )		
3																								( )		
4																								( )		
5																(TR)	(TR)	3	3	3	(TR)	3	(TR)	(TR)	10	3
6	3	3	5	5	5	3	5	5	5	5	3								(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	46	5
7	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	3													5	3
8							(TR)	(TR)	(TR)	(TR)	(TR)	(TR)												( )		
9						(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3
10	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3
11	(TR)	3			(TR)	3																			5	3
12										(TR)	3			10	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	13	10
13	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3															3	3
14																								(TR)	( )	
15	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3									8	3
16													(TR)	3	10										13	10
17																5			43	(TR)	13				61	43
18										8	3	(TR)	3							3	3				18	8
19						(TR)	(TR)	(TR)	(TR)	(TR)															( )	
20																									( )	
21									(TR)	8											(TR)	(TR)	(TR)	(TR)	8	8
22	3					(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	5	3
23										(TR)	(TR)	3													3	3
24								(TR)	(TR)	(TR)	(TR)	(TR)													( )	
25								(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	9	3
26	3	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	3	3	3	3	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	20	3
27	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	3	(TR)	(TR)														5	3
28	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3								(TR)	(TR)	(TR)	(TR)	(TR)	3	5	3
29	3	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	3	(TR)	(TR)	3	3					(TR)	(TR)	3				15	3
30							(TR)	3	3	3	5														13	5
31	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	3														5	3
TL	13	5	5	5	8	10	8	15	10	28	25	8	8	20	13	10	( )	3	46	5	20	5	( )	3	272	
PK	3	3	5	5	5	3	5	5	5	8	5	3	3	10	10	5		3	43	3	13	3		3		43

II B-609

(06/07/79-RP1)

INVERSION HEIGHT
METERS

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	240	200	220	240	340	300	250	320	360	380	200	(NV)	(NV)	(NV)	(NV)	(NV)	100	220	240	280	300	360	400	440	284	440
2	400	360	360	420	460	500	510	400	260	180	(NV)	(NV)	(NV)	(NV)	(NV)	100	180	240	240	280	290	280	300	300	319	510
3	220	240	300	280	200	200	200	220	240	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	120	220	220	240	220	260	300	300	280	235	300
4	260	260	300	280	340	360	360	280	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	300	460	500	440	440	440	460	351	500
5	560	500	520	500	480	460	460	480	420	360	320	400	460	460	(NV)	(NV)	100	200	320	400	380	(RF)	(RF)	(RF)	409	560
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
7	60	200	200	160	160	140	240	320	240	160	100	(NV)	(NV)	(NV)	(NV)	60	140	240	240	200	240	260	200	200	188	320
8	200	240	200	160	180	190	180	180	180	180	180	190	220	220	240	260	300	260	260	270	280	280	320	280	227	320
9	220	200	240	300	280	260	240	240	220	200	200	200	160	140	110	160	220	260	240	260	140	120	180	140	205	300
10	200	260	320	440	460	460	500	520	510	440	380	360	340	320	(NV)	(NV)	(NV)	200	280	300	260	230	200	240	344	520
11	220	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	220
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	320	360	380	400	360	380	300	300	340	300	320	370	344	400
13	400	400	460	500	500	500	460	480	480	480	440	260	(NV)	(NV)	(NV)	(NV)	(NV)	200	340	380	400	420	380	330	411	500
14	380	320	320	320	360	380	360	360	360	360	200	(NV)	(NV)	(NV)	(NV)	(NV)	200	440	460	440	480	540	540	480	384	540
15	280	280	260	260	260	330	360	380	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	400	520	520	510	540	520	500	383	540
16	440	440	420	380	440	460	440	380	340	200	(NV)	(NV)	(NV)	(NV)	200	220	220	300	480	470	500	460	400	320	376	500
17	300	260	320	360	360	400	500	520	480	520	520	460	380	340	320	500	700	760	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	444	760
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	300	280	240	400	380	360	380	360	( )	400
19	460	580	700	680	560	510	500	480	540	560	400	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	300	300	340	420	440	360	280	467	700
20	500	540	560	480	500	500	420	420	460	400	300	180	(NV)	(NV)	(NV)	(NV)	(NV)	300	420	420	400	400	380	380	419	560
21	360	380	380	400	460	540	520	500	480	400	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	240	300	240	340	340	280	260	260	371	540
22	500	540	580	620	620	620	520	440	420	240	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	300	280	260	300	260	260	409	620
23	290	300	320	360	380	420	400	400	380	300	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	380	360	340	400	300	300	331	420
24	300	320	320	360	400	440	460	380	300	220	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	180	200	260	260	260	340	320	303	460
25	300	260	260	260	360	360	300	210	240	280	280	240	200	240	260	280	340	320	280	300	300	260	220	180	272	360
26	220	260	280	280	280	300	360	240	160	160	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	120	160	160	200	200	218	360
27	240	260	280	260	220	270	280	260	260	240	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	120	140	150	180	200	220	216	280
28	220	220	200	200	200	200	220	220	240	180	100	170	220	140	(NV)	(NV)	(NV)	60	200	260	240	180	180	200	193	260
29	200	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	80	160	240	220	220	240	260	( )	260
30	300	290	280	300	360	360	360	400	420	360	260	100	60	(NV)	(NV)	(NV)	(NV)	200	280	240	250	280	300	280	284	420
31	280	300	320	320	300	320	290	280	290	260	260	200	(NV)	(NV)	(NV)	(NV)	(NV)	300	380	440	440	380	320	280	314	440
AV	305	323	343	351	364	376	373	358	332	303	242	( )	( )	( )	( )	( )	( )	272	301	320	321	320	313	301	322	
PK	560	580	700	680	620	620	520	520	540	560	520	460	460	460	380	500	700	760	520	520	510	540	540	500		760

(06/07/79-RPI)

STABILITY CLASS @ 50M
0=STB 1=UNST

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	(RF)	(RF)	(RF)	0
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
7	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
11	0	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	0
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	( )
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
29	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	0	0	0	0	0	0	0	( )
30	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
PV	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0

(06/07/79-RPI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CB-TRACT
TRAILER 20
JAN 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
3	1	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	(RF)	(RF)	(RF)	0
6	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
7	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1
8	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1	1	1	1	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0
11	0	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
12	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	(RF)	(RF)	(RF)	(RF)	(RF)	0
18	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	0	( )
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
28	0	0	1	1	1	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1
29	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	0	0	0	0	0	( )
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
FV	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0

(06/07/79-RPI)

STABILITY CLASS USING DT/DZ
DT 60-10M
WS 10M

CB-TRACT
TRAILER 23
JAN 1979
OCCIDENTAL OIL SHALE, INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE
1	F	E	E	E	F	E	F	F	F	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F	E
2	F	F	F	E	E	E	E	E	E	E	E	D	D	E	E	D	E	E	E	E	E	E	E	E	E
3	E	E	E	E	E	E	E	F	E	E	E	E	D	D	D	D	E	E	E	E	E	F	E	F	E
4	E	E	E	E	D	E	D	D	D	E	D	D	E	D	D	E	D	D	D	E	D	D	E	D	D
5	E	D	D	E	D	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E	E
6	E	E	E	E	E	( )	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E
7	E	E	E	E	E	( )	E	F	F	F	F	E	E	E	E	E	E	F	F	E	F	F	F	F	E
8	F	F	F	F	F	F	F	F	F	F	F	F	F	( )	F	F	E	E	E	F	E	F	E	F	F
9	F	F	F	F	E	F	F	F	F	E	F	F	F	E	E	E	F	F	F	E	F	F	F	E	F
10	E	F	F	F	F	F	F	F	E	F	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E
11	E	E	D	E	D	D	D	D	E	E	E	E	D	D	E	D	E	E	E	E	E	D	D	D	E
12	D	D	D	D	D	D	D	D	D	D	E	D	E	E	E	E	E	E	E	E	D	E	E	E	E
13	E	E	E	E	F	F	F	F	E	F	( )	E	E	E	E	E	E	E	E	E	F	F	F	E	E
14	F	E	F	F	E	F	E	E	E	E	E	E	E	D	E	E	D	E	E	E	E	E	E	E	E
15	E	D	D	D	D	E	D	D	D	E	E	D	E	E	E	D	E	D	D	D	D	D	D	D	D
16	E	E	E	E	E	E	D	E	E	D	D	D	E	E	E	E	E	E	F	F	F	F	F	F	E
17	F	F	F	F	F	E	F	F	F	E	E	E	E	E	F	E	F	F	E	F	F	E	D	E	F
18	E	F	E	E	E	E	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
19	E	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	( )	E	E	E	E	E	E	E	E
20	E	E	( )	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	F	E	E	F	E
21	F	E	E	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	D	D	E	E	D	D	E
22	D	D	D	D	E	D	D	D	D	E	E	D	D	D	D	D	D	D	E	E	E	E	E	E	D
23	E	E	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	E	F	F	F	E	E	E
24	E	F	F	F	E	E	F	F	F	E	E	E	E	E	E	D	D	D	E	E	D	D	E	E	E
25	E	E	E	E	F	F	F	E	F	F	E	E	E	D	D	D	D	D	E	D	E	E	E	E	E
26	E	E	E	D	D	D	D	D	D	E	E	E	E	E	E	D	D	D	D	E	E	E	E	E	E
27	E	E	F	E	F	F	F	E	F	E	D	E	E	E	E	D	D	F	E	E	E	E	E	E	E
28	E	E	E	E	E	E	E	F	E	E	E	E	E	E	E	D	E	D	D	D	E	E	E	E	E
29	E	E	E	D	( )	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E
30	F	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	F	F	F	F	E	F
31	F	F	F	F	F	F	F	F	F	E	E	E	E	E	D	E	E	E	E	E	F	E	E	F	E
AVE	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

(06/07/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	1	2	8	8	9	8	0	6	4	0	0	0	8	8	4	1	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	11	10	7	18	106	149	94	8	8	5	5	3	31	73	39	11	13 :	591
TOTAL :	11	10	7	18	106	149	94	8	8	5	5	3	31	73	39	11	13	591
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	6	6	12	9	7	14	8	12	11	9	3	3	3	2	3	12	11	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	1	1 :	6
LT 10. :	18	18	25	18	29	44	35	46	71	129	69	26	38	52	38	34	10 :	700
TOTAL :	18	18	26	18	29	45	35	47	72	129	69	26	38	52	38	35	11	706
MEAN CONC.	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0

0 = NO OBSERVATIONS

(06/07/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	1	3	15	24	39	37	41	0	35	33	0	0	0	43	33	9	3	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0 :	2
30. - 40. :	0	0	0	0	4	7	3	0	1	1	0	0	0	2	1	0	0 :	19
20. - 30. :	0	0	0	1	0	3	3	0	0	0	0	0	0	1	2	0	0 :	10
10. - 20. :	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0 :	3
LT 10. :	11	10	6	17	101	139	86	8	7	4	5	3	31	69	36	11	13 :	557
TOTAL :	11	10	7	18	106	149	94	8	8	5	5	3	31	73	39	11	13	591
MEAN CONC.	0	0	3	1	1	2	2	0	4	6	0	0	0	2	2	1	0	2

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	18	13	18	37	22	29	28	17	24	23	8	13	10	15	12	22	27	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
20. - 30. :	0	0	0	1	1	2	1	0	2	1	0	0	0	0	0	1	1 :	10
10. - 20. :	1	1	2	1	5	8	4	6	5	2	0	1	1	3	2	3	0 :	45
LT 10. :	17	17	25	17	24	39	32	44	71	133	70	25	38	51	36	32	10 :	681
TOTAL :	18	18	27	20	30	49	37	50	78	136	70	26	39	54	38	36	11	737
MEAN CONC.	1	1	1	4	3	3	3	2	2	0	0	0	0	1	0	2	2	1

0 = NO OBSERVATIONS

(06/07/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	1	1	11	11	26	28	31	0	26	26	0	0	0	30	22	5	3	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0 :	2
20. - 30. :	0	0	0	0	4	5	3	0	1	1	0	0	0	2	1	0	0 :	17
10. - 20. :	0	0	1	1	1	5	4	0	0	0	0	0	0	1	1	0	0 :	14
LT 10. :	11	10	6	17	101	139	86	8	7	4	5	3	31	69	37	11	13 :	558
TOTAL :	11	10	7	18	106	149	94	8	8	5	5	3	31	73	39	11	13	591
MEAN CONC.	0	0	2	0	1	1	1	0	3	5	0	0	0	1	1	0	0	1

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	9	3	9	34	10	9	15	8	10	10	3	8	6	8	9	8	9	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	1	0	2	0	2	1	0	0	0	0	0	0	0 :	6
LT 10. :	18	18	27	19	29	49	35	50	76	135	70	26	39	54	38	36	11 :	730
TOTAL :	18	18	27	20	30	49	37	50	78	136	70	26	39	54	38	36	11	737
MEAN CONC.	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	1	0	0

0 = NO OBSERVATIONS

(06/07/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	88	92	82	82	94	98	99	84	72	84	74	72	88	111	107	74	82	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0 :	4
80. - 100. :	1	1	1	1	13	21	12	1	0	1	0	0	5	19	6	0	1 :	83
60. - 80. :	6	4	1	6	40	50	41	6	6	3	2	2	12	27	10	5	7 :	228
40. - 60. :	3	5	7	7	56	75	40	2	2	2	1	1	8	15	14	5	4 :	247
20. - 40. :	2	0	0	4	15	23	10	1	0	0	2	0	6	13	6	1	2 :	85
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1 :	2
TOTAL :	12	10	9	18	124	169	103	10	8	6	5	3	31	76	39	11	15	649
MEAN CONC.	63	63	55	54	59	59	61	64	66	65	49	65	61	66	60	59	59	61

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	88	126	92	90	92	164	195	92	245	112	92	88	89	90	130	97	192	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0 :	1
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0 :	1
180. - 200. :	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1 :	2
160. - 180. :	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0 :	1
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0 :	2
100. - 120. :	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0 :	1
80. - 100. :	6	8	8	9	12	36	24	37	36	44	21	7	17	16	13	11	6 :	311
60. - 80. :	12	9	22	11	18	12	12	13	40	90	49	19	22	37	24	24	4 :	418
40. - 60. :	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0 :	3
20. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	18	18	30	20	30	49	37	50	78	136	70	26	39	54	38	36	11	740
MEAN CONC.	78	81	77	78	78	84	85	83	83	77	77	77	78	77	79	77	90	79

0 = NO OBSERVATIONS

(06/07/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	229	114	114	229	574	517	114	114	57	114	57	57	459	344	229	229	229	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	12	10	9	18	124	169	103	10	8	6	5	3	31	76	39	11	15 :	649
TOTAL :	12	10	9	18	124	169	103	10	8	6	5	3	31	76	39	11	15	649
MEAN CONC.	52	45	51	60	65	49	41	57	28	28	22	19	53	55	41	47	68	51

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	344	172	388	644	666	577	617	600	611	499	317	574	443	459	489	541	517	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	18	17	29	20	30	49	36	50	78	136	70	27	39	52	35	34	12 :	732
TOTAL :	18	17	29	20	30	49	36	50	78	136	70	27	39	52	35	34	12	732
MEAN CONC.	95	77	93	146	146	134	107	130	98	88	54	86	122	141	144	182	71	109

0 = NO OBSERVATIONS

(06/07/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

SULFUR DIOXIDE (SO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	10	0	13	0	0	13	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0 :	3
LT 10. :	18	18	28	20	30	48	36	50	78	133	70	26	39	54	35	36	10 :	729
TOTAL :	18	18	28	20	30	48	36	50	78	134	70	27	39	54	36	36	10	732
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

HYDROGEN SULFIDE (H2S) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(1 /01/79 TO 1 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0 :	1
LT 10. :	18	18	28	20	30	48	36	50	78	133	70	27	39	53	36	36	10 :	730
TOTAL :	18	18	28	20	30	48	36	50	78	134	70	27	39	53	36	36	10	731
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/07/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB20 PERIOD(1 /01/79 TO 1 /31/79)

WIND SPEED MAX METERS/SEC		WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		3	3	1	4	4	6	6	3	3	2	4	3	4	4	6	4	1	
GT	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. -	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
5. -	8. :	0	0	0	0	0	3	10	0	0	0	0	0	0	0	1	0	0 :	14
3. -	5. :	1	1	0	2	17	23	50	2	2	0	2	1	15	7	5	4	0 :	132
1. -	3. :	2	4	3	2	56	120	39	6	6	6	3	2	16	61	18	4	8 :	356
LT	1. :	9	5	6	11	51	22	4	2	0	0	0	0	0	8	15	3	7 :	143
TOTAL	:	12	10	9	15	124	168	103	10	8	6	5	3	31	76	39	11	15	645
PERCENT		2.	2.	1.	2.	19.	26.	16.	2.	1.	1.	1.	0.	5.	12.	6.	2.	2.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(1 /01/79 TO 1 /31/79)

WIND SPEED MAX METERS/SEC		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		WIND DIRECTION																	
		5	3	1	1	4	2	3	4	8	9	8	5	5	4	5	5	2	
GT	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. -	11. :	0	0	0	0	0	0	0	0	1	10	1	0	0	0	0	0	0 :	12
5. -	8. :	1	0	0	0	0	0	0	0	7	45	12	1	1	0	1	4	0 :	72
3. -	5. :	1	1	0	0	1	0	3	11	37	44	11	8	1	6	9	7	0 :	140
1. -	3. :	4	5	7	10	15	38	30	35	26	30	27	12	27	37	20	15	7 :	345
LT	1. :	10	11	23	10	14	11	4	4	7	7	18	6	10	11	8	10	4 :	168
TOTAL	:	16	17	30	20	30	49	37	50	78	136	69	27	39	54	38	36	11	737
PERCENT		2.	2.	4.	3.	4.	7.	5.	7.	11.	18.	9.	4.	5.	7.	5.	5.	1.	100.

0 = NO OBSERVATIONS

(06/07/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

30 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(1 /01/79 TO 1 /31/79)

WIND SPEED MAX METERS/SEC		WIND DIRECTION																	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		2	1	0	0	0	2	3	5	5	8	11	3	2	6	6	7	0	
GT	11. :	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0 :	1
8. -	11. :	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0 :	2
5. -	8. :	0	0	0	0	0	0	0	1	1	2	4	0	0	2	3	6	0 :	19
3. -	5. :	0	0	0	0	0	0	2	1	8	8	9	1	0	1	3	0	0 :	33
1. -	3. :	2	1	0	0	0	1	1	2	4	14	9	5	2	0	1	1	0 :	43
LT	1. :	1	0	0	0	0	1	3	3	6	5	3	2	2	2	1	2	1 :	32
TOTAL	:	3	1	0	0	0	2	6	7	19	30	27	8	4	5	8	9	1	130
PERCENT		2.	1.	0.	0.	0.	2.	5.	5.	15.	23.	21.	6.	3.	4.	6.	7.	1.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

60 METER LEVEL C-B SHALE OIL PROJECT

STATION AB23 PERIOD(1 /01/79 TO 1 /31/79)

WIND SPEED MAX METERS/SEC		WIND DIRECTION																	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		4	6	2	2	1	2	3	5	7	11	12	7	6	5	5	6	1	
GT	11. :	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0 :	6
8. -	11. :	0	0	0	0	0	0	0	0	0	6	34	0	0	0	0	0	0 :	40
5. -	8. :	0	3	0	0	0	0	0	2	10	44	31	10	1	1	1	7	0 :	110
3. -	5. :	2	3	0	0	0	0	4	14	26	48	12	10	2	6	13	11	0 :	151
1. -	3. :	5	5	3	4	5	16	27	30	35	44	12	8	15	31	38	14	2 :	294
LT	1. :	7	3	5	8	9	5	11	7	5	9	7	10	13	13	8	7	8 :	135
TOTAL	:	14	14	8	12	14	21	42	53	76	153	100	38	31	51	60	39	10	736
PERCENT		2.	2.	1.	2.	2.	3.	6.	7.	10.	21.	14.	5.	4.	7.	8.	5.	1.	100.

0 = NO OBSERVATIONS

(06/07/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL C-B SHALE OIL PROJECT

STATION AD42 PERIOD(1/01/79 TO 1/31/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	5	6	3	4	4	4	4	6	9	8	7	9	5	7	6	5	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0 :	2
5. - 8. :	0	1	0	0	0	0	0	1	14	8	2	2	0	2	1	0	0 :	31
3. - 5. :	4	0	0	1	5	4	5	9	37	12	7	3	6	6	3	5	0 :	103
1. - 3. :	10	12	14	54	182	30	16	16	34	19	10	20	80	34	25	10	0 :	566
LT 1. :	5	1	0	3	5	1	2	2	2	4	0	1	5	3	5	1	0 :	40
TOTAL :	19	14	14	58	192	35	23	28	88	43	19	27	91	45	34	14	0	744
PERCENT	3.	2.	2.	8.	26.	5.	3.	4.	12.	6.	3.	4.	12.	6.	5.	2.	0.	100.

0 = NO OBSERVATIONS

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB20
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HR.	1	30	00	24.9	$\mu g/m^3$
		2	3	00	17.1	$\mu g/m^3$
		3	12	00	13.4	$\mu g/m^3$
		4	6	00	9.2	$\mu g/m^3$
		5	9	00	8.7	$\mu g/m^3$
OZONE	1-HR.	1	7	14	111.8	$\mu g/m^3$
		2	7	15	111.8	$\mu g/m^3$
		3	7	13	107.9	$\mu g/m^3$
		4	7	12	102.0	$\mu g/m^3$
		5	7	11	100.0	$\mu g/m^3$
CO	1-HR.	1	8	6	600.0	$\mu g/m^3$
		2	5	16	500.0	$\mu g/m^3$
		3	5	15	500.0	$\mu g/m^3$
		4	5	17	300.0	$\mu g/m^3$
		5	5	18	300.0	$\mu g/m^3$
CO	8-HR.	1	5	15	200.0	$\mu g/m^3$
		2	8	3	200.0	$\mu g/m^3$
		3	25	4	100.0	$\mu g/m^3$
		4	8	15	100.0	$\mu g/m^3$
		5	9	3	100.0	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
SULFUR DIOXIDE	3-HR.	1	10	7	8.6	$\mu g/m^3$
		2	23	15	3.9	$\mu g/m^3$
		3	10	3	0.9	$\mu g/m^3$
		4	21	17	0.5	$\mu g/m^3$
		5	21	22	0.5	$\mu g/m^3$
	24-HR.	1	9	10	1.3	$\mu g/m^3$
		2	23	15	0.9	$\mu g/m^3$
		3	24	15	0.5	$\mu g/m^3$
		4	26	14	0.5	$\mu g/m^3$
		5	27	14	0.5	$\mu g/m^3$
OZONE	1-HR.	1	20	18	245.8	$\mu g/m^3$
		2	20	19	203.4	$\mu g/m^3$
		3	20	9	195.2	$\mu g/m^3$
		4	20	3	192.5	$\mu g/m^3$
		5	20	4	164.6	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HR.	1	30	00	12.1	$\mu g/m^3$
		2	12	00	7.9	$\mu g/m^3$
		3	3	00	7.0	$\mu g/m^3$
		4	6	00	6.1	$\mu g/m^3$
		5	15	00	5.2	$\mu g/m^3$
CARBON MONOXIDE	1-HR.	1	21	9	700.0	$\mu g/m^3$
		2	21	10	600.0	$\mu g/m^3$
		3	21	11	600.0	$\mu g/m^3$
		4	20	19	600.0	$\mu g/m^3$
		5	21	12	600.0	$\mu g/m^3$
	8-HR.	1	21	8	600.0	$\mu g/m^3$
		2	20	16	500.0	$\mu g/m^3$
		3	22	7	400.0	$\mu g/m^3$
		4	25	12	300.0	$\mu g/m^3$
		5	21	16	300.0	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE AD42
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HR.	1	12	00	11.0	$\mu g/m^3$
		2	9	00	8.7	$\mu g/m^3$
		3	15	00	8.7	$\mu g/m^3$
		4	21	00	7.6	$\mu g/m^3$
		5	24	00	4.5	$\mu g/m^3$

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE AD56
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-HR.	1	30	00	12.6	$\mu g/m^3$
		2	12	00	10.2	$\mu g/m^3$
		3	3	00	9.3	$\mu g/m^3$
		4	15	00	7.6	$\mu g/m^3$
		5	6	00	7.4	$\mu g/m^3$

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	CO	SO_2	H_2S
MULTIPOINT RECORDER	89	89	89	97	87		
DATA ACQUISITION SYSTEM	0	0	0	0	0		
OTHER SYSTEMS							
MONTHLY TOTAL	89	89	89	97	87		

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

	WS	WD	TEMP	INVERS. HT	STB 50m	STB 200m	PART	PRECIP.
MULTIPOINT RECORDER	87	87	96					
DATA ACQUISITION SYSTEM	0	0	0					
OTHER SYSTEMS				87	87	87	100	96
MONTHLY TOTAL	87	87	96	87	87	87	100	96

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	SO_2	H_2S	CO	BAR PRESS.	SOLAR RAD.
MULTIPOINT RECORDER	69	69	69	69	69	69	69	69	69
DATA ACQUISITION SYSTEM	26	30	30	30	30	30	30	30	30
OTHER SYSTEMS									
MONTHLY TOTALS	95	99	99	99	99	99	99	99	99

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
JAN. 1979
OCCIDENTAL OIL SHALE, INC

	SIGMA HWD 10m	SIGMA HWD 30m	SIGMA HWD 60m	WS 10m	WS 30m	WS 60m	WD 10m	WD 30m	WD 60m
MULTIPOINT RECORDER	69		69	69	19	69	69	63	69
DATA ACQUISITION SYSTEM	30		30	30	5	30	30	30	30
OTHER SYSTEMS									
MONTHLY TOTALS	99		99	99	24	99	99	93	99

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

	TMP 10m	TMP 30m	TMP 60m	DT 60-10m	RH	PART	PREC
MULTIPOINT RECORDER	69	69	69	69			
DATA ACQUISITION SYSTEM	30	30	30	30			
OTHER SYSTEMS					99	100	100
MONTHLY TOTALS	99	99	99	99	99	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD42
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	100	100	100	60
MONTHLY REPORTS	100	100	100	60

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD56
JAN. 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	0	0	0	100
MONTHLY TOTALS	0	0	0	100

DATA REPORT

AIR MONITORING REPORT
FOR
PROTOTYPE OIL SHALE LEASE TRACT C-B

FEBRUARY 1979

Submitted July 15, 1979

PREPARED BY:
OCCIDENTAL OIL SHALE, INC. OPERATOR
P.O. BOX 2687
GRAND JUNCTION, COLORADO 81502

SITE AB20	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO										X							
NOX										X							
NO2										X							
O3										X							
CO										X							
PARTICULATE										X							
WIND SPEED										X							
WIND DIRECTION										X							
TEMPERATURE										X							
PRECIPITATION										X							
INVERSION HGT.										X							
STABILITY CLS 50M										X							
STABILITY CLS 200M										X							

SITE AB23 & AA23	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO										X							
NOX										X							
NO2										X							
O3										X							
CO										X							
SO2										X							
H2S										X							
PARTICULATE										X							
WIND SPEED 10M										X							
WIND SPEED 30M										X							
WIND SPEED 60M										X							
WIND DIRECTION 10M										X							
WIND DIRECTION 30M										X							
WIND DIRECTION 60M										X							
SIGMA HOR WD 10M										X							
SIGMA HOR WD 60M										X							
TEMPERATURE 10M										X							
TEMPERATURE 30M										X							
TEMPERATURE 60M										X							
DELTA T 60-10M										X							
PRECIPITATION										X							
EVAPORATION																	
RELATIVE HUMIDITY										X							
SOLAR RADIATION										X							
BAROMETRIC PRESS.										X							

	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
SITE AD42																
WIND SPEED 10M										X						
WIND DIRECTION 10M										X						
TEMPERATURE 10M										X						
SITE AD56																
WIND SPEED 10M										X						
WIND DIRECTION 10M										X						
TEMPERATURE 10M										X						
PARTICULATE										X						
SUMMARY REPORTS																
STAB. CLASS DT/DZ										X						
FREQUENCY TABLES -																
GASES vs WD AB20										X						
" " AB23										X						
FREQUENCY TABLES-																
WS vs WD AB20										X						
" " AB23										X						
5 MAX IND. SLIDING																
AVERAGES AB20										X						
" AB23										X						
" AD56										X						
DATA COLLECTION -																
EFFICIENCY AB20										X						
" AB23										X						
" AD42										X						
" AD56										X						

SUMMARY REPORTS (Continued)	1978								1979								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
VECTOR AVERAGES																	
WD & WS AB20										X							
" AB23										X							

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER A820
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1	2
14	1	0	0	2	1	0	1	1	1	1	0	1	2	(CA)	2	2	2	2	2	1	1	1	1	1	1	2
15	1	1	1	1	1	1	1	0	1	1	0	(CA)	0	0	1	1	1	1	2	2	2	1	2	1	1	2
16	1	1	1	1	1	1	2	1	1	0	1	1	0	1	4	4	4	2	4	2	1	2	2	1	2	4
17	1	0	0	0	0	0	2	0	1	1	1	1	1	1	1	1	2	4	4	2	2	1	1	1	1	4
18	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
20	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	0
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	
PK	1	1	1	2	1	1	2	1	1	1	1	1	2	1	4	4	4	4	4	2	2	2	2	1		4

(06/11/79-RPI)

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	2	2	1	1	1	1	1	1	2	3	2	(CA)	2	2	2	2	2	2	2	2	1	2	3
28	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	2	2	2	2	2	1	1	2	2
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	2	2	2	2	2	2	2	2	2	2	2	5	3	2	2	2	2	2	2	2	2	2	2	1		5

(06/11/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	4	4	6	2	2	2	1	6
14	2	0	0	4	2	0	2	6	13	4	0	2	4	2	4	9	9	4	4	2	2	2	2	2	3	13
15	2	2	2	2	2	2	2	0	2	2	0	2	0	0	2	2	2	2	4	4	4	4	4	2	2	4
16	4	4	2	2	2	4	4	9	4	6	2	2	0	2	6	6	6	4	6	4	2	4	4	2	4	9
17	4	2	2	0	0	0	4	0	2	4	2	2	2	2	2	4	6	6	6	6	4	2	2	2	3	6
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	1	2
19	2	2	2	2	2	0	0	2	4	2	0	0	0	2	0	0	0	2	2	0	0	0	0	0	1	4
20	0	2	2	2	4	2	2	2	2	2	2	0	2	0	0	0	2	0	0	0	0	0	0	0	1	4
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	2	2	2	2	2	2	1	2
24	2	2	0	2	0	2	2	2	2	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
25	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	0
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	1	1	0	1	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	
PK	4	4	2	4	4	4	4	9	13	6	2	2	4	2	6	9	9	6	6	6	6	4	4	2		13

(06/11/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
20	1	1	0	1	1	1	0	0	0	0	0	(CA)	1	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	1	0	1
24	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	1	0	0	0	1	2	3	2	2	2	2	2	2	2	3	3	1	3
27	2	2	3	3	3	3	4	5	4	4	6	6	3	5	(CA)	4	5	3	5	2	2	2	7	3	4	8
28	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	2	3	2	2	2	2	2	3	3	2	3
AV	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	2	2	3	3	3	3	4	5	4	4	6	11	8	5	3	4	5	3	5	2	2	2	7	3		11

(06/11/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
14	0	0	0	0	0	0	0	4	11	2	0	0	0	2	0	6	6	0	0	0	0	0	0	0	1	11
15	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2
16	2	2	0	0	0	2	0	8	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8
17	2	2	2	0	0	0	0	0	0	2	0	0	0	0	0	2	2	0	0	2	0	0	0	0	1	2
18	2	2	0	0	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	1	2
19	2	2	2	2	2	0	0	2	4	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	4
20	0	2	2	2	4	0	0	0	2	2	2	0	2	0	0	0	2	0	0	0	0	0	0	0	1	4
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	2	2	2	2	2	2	1	2
24	2	2	0	2	0	2	2	2	2	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	6
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	0
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	2	2	2	2	4	2	2	8	11	6	2	2	2	2	0	6	6	0	2	2	2	2	2	2		11

(06/11/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER A823
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	2	0	2
20	2	1	1	2	2	2	1	0	0	0	0	(CA)	1	0	1	0	0	0	0	0	0	0	0	0	1	2
21	0	0	0	0	1	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	1	0	0	0	0	2	0	2
24	0	0	0	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	1	1	0	1
27	0	1	1	1	1	1	2	3	2	2	4	4	4	2	(CA)	1	2	0	3	0	0	0	4	1	2	4
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	2	1	1	2	2	4	2	3	2	2	4	4	4	2	1	1	2	1	3	2	2	1	4	2		4

(06/11/79-RPI)

OZONE
(UG/M3)

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	45	39	39	39	39	35	33	31	29	37	39	39	33	31	49	39	35	41	41	39	39	29	35	39	37	49
2	31	35	59	74	49	35	20	14	20	14	20	39	45	39	35	59	45	45	45	39	39	35	33	35	38	74
3	39	29	39	29	29	25	29	53	39	39	39	45	39	45	49	45	45	47	49	49	53	49	45	45	42	53
4	49	49	47	47	45	49	49	49	49	49	53	49	47	45	47	49	55	53	49	59	51	49	45	45	49	59
5	47	59	45	41	47	39	39	29	39	35	39	39	45	49	53	49	45	25	29	39	39	35	39	39	41	59
6	45	39	49	45	39	33	33	16	14	20	29	39	45	49	49	49	47	45	45	53	59	49	49	49	41	59
7	47	49	49	49	53	53	53	53	51	49	49	49	49	51	55	69	59	55	55	55	59	59	57	49	53	69
8	49	49	49	49	53	59	59	49	49	49	49	73	(RF)	(RF)	(RF)	49	45	47	53	53	49	53	53	53	52	73
9	53	49	53	49	53	49	47	57	59	59	63	69	76	76	74	84	88	88	108	108	98	88	88	88	72	108
10	88	84	84	84	84	74	78	76	74	78	86	102	92	94	78	78	76	69	69	59	63	59	57	59	77	102
11	63	69	59	55	57	55	57	57	59	55	59	61	59	61	59	59	73	65	59	63	63	65	82	88	62	88
12	65	65	67	63	59	59	65	69	69	69	73	76	74	73	78	74	74	74	78	108	127	118	98	84	78	127
13	80	73	74	74	73	76	76	69	78	78	74	45	49	74	69	69	69	65	59	65	69	59	59	57	68	80
14	69	59	65	61	59	55	69	59	59	65	63	65	67	69	61	74	57	57	55	61	69	67	65	51	62	74
15	47	39	43	49	59	39	39	39	39	45	49	59	59	59	55	53	55	55	49	47	65	55	59	49	50	65
16	51	51	53	47	45	45	47	39	45	53	65	59	63	65	49	59	61	84	74	65	57	49	47	51	55	84
17	49	49	49	49	49	49	53	45	53	63	69	59	59	59	59	61	59	59	65	49	49	45	45	45	54	69
18	47	49	63	67	69	69	73	73	76	76	92	92	98	94	88	88	157	147	98	88	76	82	82	88	85	157
19	96	88	96	94	98	88	82	88	76	78	88	88	108	112	108	106	108	108	98	92	92	92	88	76	94	112
20	74	78	78	80	76	74	69	69	69	88	88	65	74	55	20	20	29	39	24	29	37	24	25	29	55	88
21	35	35	39	43	45	39	45	59	49	45	39	39	49	53	53	49	51	49	53	53	53	49	45	41	46	59
22	39	39	35	39	35	33	39	35	35	39	39	45	45	37	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	38	45
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	49	49	51	55	49	51	47	45	39	39	39	29	24	44	55
24	16	16	20	24	24	29	29	25	25	24	29	43	49	49	47	49	49	45	39	39	43	45	39	39	35	49
25	35	39	45	45	39	37	39	37	29	29	29	37	45	47	49	49	49	49	47	47	45	39	37	39	41	49
26	39	24	24	24	24	20	22	18	16	20	22	24	35	35	37	37	39	37	35	35	29	33	24	20	28	39
27	24	29	35	43	47	49	49	49	45	20	0	10	29	29	39	43	43	35	35	25	20	24	18	20	32	49
28	20	16	20	20	22	22	22	24	22	29	37	35	35	29	35	37	37	35	29	25	25	29	24	29	27	37
AV	50	48	51	51	51	48	49	47	47	49	51	53	56	57	56	57	59	58	55	55	56	53	51	49	52	
PK	96	88	96	94	98	88	82	88	78	88	92	102	108	112	108	106	157	147	108	108	127	118	98	88		157

(06/11/79-RPI)

OZONE
(UG/M3)

CA-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	73	80	82	84	80	82	80	82	82	80	82	82	84	86	88	88	90	90	92	92	94	92	92	90	86	94
2	84	82	90	82	86	88	88	82	82	84	88	88	86	82	90	90	92	94	94	92	92	92	86	88	88	94
3	86	86	86	84	84	86	86	86	86	84	86	88	90	90	90	92	94	96	96	92	92	90	90	90	89	96
4	90	90	90	90	90	88	88	86	86	86	88	86	86	86	86	86	82	80	84	86	86	86	86	84	87	90
5	84	82	82	84	80	80	82	84	80	80	84	80	86	88	86	88	86	86	86	86	86	86	84	84	84	88
6	84	78	78	82	78	80	82	78	74	78	84	86	86	86	88	88	86	88	90	88	90	88	86	86	84	90
7	88	88	88	90	92	90	92	88	86	86	86	84	84	84	84	86	88	88	88	88	86	86	84	84	87	92
8	80	78	78	76	78	76	78	78	78	78	80	82	84	86	88	90	90	90	88	90	90	92	90	90	84	92
9	90	92	90	90	92	92	92	90	88	88	90	90	90	90	94	94	96	96	94	94	94	94	94	94	92	96
10	94	94	94	94	94	94	94	94	94	92	92	94	96	94	94	94	94	94	94	94	94	94	94	94	94	96
11	94	94	94	92	92	92	92	90	90	88	92	92	94	94	94	96	98	98	98	98	98	96	96	96	94	98
12	96	94	94	96	94	94	94	94	96	96	98	98	102	102	102	102	102	108	108	106	104	104	102	98	99	109
13	98	98	96	96	94	94	94	94	94	94	94	94	94	96	98	98	98	98	100	100	100	98	98	98	97	100
14	98	98	96	96	96	94	94	90	88	88	88	88	88	94	96	94	94	92	92	96	98	98	96	96	94	98
15	94	94	90	88	86	84	82	82	78	80	86	92	92	94	94	94	94	90	86	86	86	86	88	92	88	94
16	90	84	90	92	90	88	90	73	82	82	94	98	96	93	93	95	97	96	97	96	100	102	102	102	93	102
17	101	99	97	94	92	87	86	84	84	87	88	87	89	89	90	91	91	89	87	87	84	85	85	86	89	101
18	88	88	87	89	89	89	89	89	88	93	93	93	92	92	92	92	91	89	89	88	88	86	86	87	89	93
19	87	87	86	86	86	86	86	86	86	86	87	88	90	92	91	92	91	89	87	82	78	78	74	72	86	92
20	74	70	79	82	80	78	80	82	81	82	82	93	85	87	89	89	91	91	91	88	89	90	90	89	85	93
21	89	88	87	87	87	88	86	85	85	86	114	89	89	90	89	87	84	86	91	89	88	87	87	86	89	114
22	85	85	85	84	83	81	80	80	78	79	78	78	83	85	89	91	92	92	93	91	91	90	90	89	85	93
23	89	90	90	89	89	89	88	88	90	91	89	90	91	91	118	95	96	94	90	90	88	87	86	84	91	118
24	81	86	83	81	87	80	85	88	88	91	95	97	97	98	99	99	98	97	96	95	96	97	96	94	92	99
25	94	95	96	96	97	96	95	95	94	95	97	99	99	103	104	103	102	101	102	103	103	106	105	101	99	106
26	97	100	98	93	86	86	84	85	81	90	97	100	101	101	99	101	100	98	95	94	90	93	94	81	93	101
27	76	75	74	78	92	96	93	92	93	89	86	87	90	97	97	97	95	97	93	89	86	87	80	85	89	97
28	89	87	86	87	88	89	90	93	94	101	101	98	96	95	96	95	94	94	93	93	92	93	92	93	93	101
AV	88	88	88	88	88	88	88	86	86	87	90	90	91	92	94	93	93	93	93	92	92	92	91	90	90	
PK	101	100	98	96	97	96	95	95	96	101	114	100	102	103	118	103	102	108	108	106	104	106	105	102		118

II B-655

(06/11/79-RPI)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	100	100	100	100	100	100	200	200	100	100	100	100	100	100	0	0	0	0	0	0	0	0	100	100	100	200
2	0	0	0	0	0	0	0	100	100	100	0	0	0	0	100	0	0	0	0	0	0	100	0	0	0	100
3	100	100	0	0	0	100	100	100	200	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
4	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	100	0	100	0	0	0	100	0	100
5	0	0	0	0	0	0	0	0	0	100	0	100	100	0	0	0	0	100	100	100	100	100	100	100	0	100
6	100	100	0	0	0	0	0	100	0	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	100
7	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	100	100	0	100
8	100	0	0	0	0	0	0	100	100	0	0	0	(RF)	(RF)	(RF)	100	0	0	0	0	0	100	100	100	0	100
9	100	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	100	0	100	100	0	100
10	200	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	0	200
11	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	100	100	100	100	200	100	200
12	200	200	100	200	200	100	0	0	0	0	100	0	0	0	0	0	100	0	0	0	0	0	100	100	100	200
13	200	100	0	0	0	0	100	100	100	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	100	0	200
14	100	100	0	100	100	100	0	0	100	100	100	0	0	100	100	0	0	0	0	0	0	0	0	0	0	100
15	0	0	100	100	100	100	300	100	100	100	0	100	100	0	0	0	100	0	0	0	0	0	100	100	100	300
16	100	100	100	0	100	100	100	100	100	200	200	0	0	0	0	0	0	0	0	0	100	100	100	100	100	200
17	100	100	100	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	200	100	0	200
18	100	200	200	0	100	200	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	100	100	0	100	200
19	0	0	0	0	0	0	0	100	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
20	0	0	0	0	0	0	0	0	0	0	100	300	300	300	0	0	0	0	0	0	0	0	0	0	0	300
21	0	0	0	0	0	0	100	100	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	100
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	100	100	100	0	0	0	0	0	0	0	0	0	0	100
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	100	100	0	0	100
27	0	0	0	0	0	0	0	0	0	(LI)	(LI)	(LI)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	200	200	200	200	200	200	300	200	200	200	200	300	300	300	100	100	100	100	100	100	100	100	200	200		300

(06/12/79-RP1)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	100	100	100	0	0	0	100	100	100	100	400	400	400	200	200	100	0	100	0	0	0	0	0	0	100	400
2	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	100	0	100
3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	100	100	100	0	100	100
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	0	100
5	0	0	0	0	0	0	0	100	100	100	100	200	100	100	100	100	100	0	0	100	100	100	100	100	0	200
6	100	100	0	100	0	100	100	100	100	100	100	100	100	100	100	200	400	500	400	0	0	0	0	0	100	500
7	0	0	0	0	0	0	0	100	100	0	0	100	100	100	0	0	0	100	100	0	100	0	100	0	0	100
8	0	0	0	0	0	0	0	0	0	0	100	200	300	200	200	0	0	0	0	0	0	0	0	0	0	300
9	0	0	0	0	0	0	0	100	0	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	100
10	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	100
11	0	100	0	0	100	100	0	0	0	100	0	0	100	100	0	0	0	0	0	0	0	0	0	100	0	100
12	0	0	0	100	100	0	100	100	100	100	100	100	100	100	(CA)	100	0	0	0	0	0	0	0	0	0	100
13	0	0	0	0	0	0	0	0	0	0	200	200	200	100	100	0	100	100	0	0	0	0	0	0	0	200
14	0	0	0	0	0	0	0	0	0	0	0	100	100	0	0	100	100	100	0	0	0	0	0	0	0	100
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	300	300	200	0	0	0	0	0	0	300
16	0	0	0	0	0	0	0	100	100	0	100	100	0	900	(CA)	0	0	0	0	100	200	100	100	200	100	900
17	100	100	200	200	200	200	200	400	300	300	400	400	500	600	600	200	200	100	100	300	400	400	500	200	300	600
18	100	100	100	0	0	0	0	200	300	300	300	300	300	200	200	400	300	400	400	100	200	200	200	200	200	400
19	200	200	200	100	100	100	200	100	100	100	100	0	100	100	200	300	300	300	200	200	200	200	300	300	200	300
20	300	300	300	300	300	300	200	300	300	400	300	500	1300	1700	1800	200	0	0	0	0	0	0	0	200	400	1800
21	200	200	200	100	100	100	100	300	200	200	0	100	100	0	700	0	0	0	0	0	0	0	0	200	100	700
22	100	0	0	0	100	100	100	200	100	100	300	200	300	200	100	400	400	300	200	200	200	200	300	300	200	400
23	300	400	400	400	400	400	300	300	300	300	200	200	200	300	400	0	0	0	0	100	100	100	100	100	200	400
24	100	200	100	100	100	200	200	0	0	0	0	0	0	0	0	0	100	200	100	0	0	100	100	100	100	200
25	100	100	100	100	200	200	200	0	100	200	100	100	100	0	0	100	200	200	200	300	300	300	300	400	200	400
26	300	300	400	500	500	500	400	100	100	0	0	(CA)	400	200	0	300	300	300	200	0	0	0	0	300	200	500
27	400	400	300	400	400	400	400	200	300	400	400	400	500	300	300	(CA)	800	600	500	200	100	0	100	100	300	800
28	0	0	0	0	0	100	0	400	400	400	400	400	300	300	300	300	300	200	200	200	200	200	300	300	200	400
AV	100	100	100	100	100	100	100	100	100	100	100	200	200	200	200	100	100	100	100	100	100	100	100	100	100	
PK	400	400	400	500	500	500	400	400	400	400	400	500	1300	1700	1800	400	800	600	500	300	400	400	500	400		1800

(06/11/79-RPI)

SULFUR DIOXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	(CA)	1	1	0	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	(CA)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	(CA)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	(CA)	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1
25	1	1	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	1
26	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	0	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1

(06/11/79-RPI)

HYDROGEN SULFIDE
(UG/M3)

CB-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0	2
25	3	3	3	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	3	3	3	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2		3

(06/11/79-RPI)

PARTICULATE DATA 24-HOUR AVERAGE (ug/M^3)

C-b Tract

OCCIDENTAL OIL SHALE, INC.

YR	MO	DY	AB20	AB23	AD56
79	2	2	11.6	7.3	9.2
79	2	5	9.6	4.2	6.9
79	2	8	5.3	2.7	2.9
79	2	11	6.7	7.0	5.4
79	2	14	17.2	11.5	10.9
79	2	17	5.7	5.3	3.4
79	2	20	4.9	4.2	4.8
79	2	23	3.9	2.3	4.1
79	2	26	11.6	12.1	9.5
		AV	8.5	6.3	6.3
		GM	7.6	5.4	5.8
		PK	17.2	12.1	10.9

WIND SPEED @10M
METERS/SEC

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	3	2	1	(CM)	(CM)	(CM)	1	2	2	4	4	4	4	2	1	1	1	1	1	1	0	2	4
2	(CM)	0	1	1	0	0	(CM)	(CM)	1	2	2	3	2	1	3	1	2	2	1	2	2	1	2	2	2	3
3	2	2	1	2	2	2	3	2	4	4	4	1	1	2	1	2	2	2	2	2	4	4	2	2	2	4
4	2	2	1	2	1	2	2	1	1	2	1	0	2	2	2	2	2	1	2	2	2	2	2	2	2	2
5	2	3	4	3	1	1	2	2	1	2	3	3	3	3	2	2	2	1	0	2	1	2	1	0	2	4
6	1	2	2	0	2	1	1	0	1	2	1	2	3	4	3	2	1	1	1	1	2	2	2	2	2	4
7	2	2	3	2	3	2	3	4	3	3	2	4	4	4	2	2	2	1	2	2	2	2	2	2	2	4
8	2	2	2	3	2	2	2	2	2	2	2	2	(RF)	(RF)	(RF)	1	2	2	1	2	3	2	2	3	2	3
9	4	4	2	5	3	2	4	3	6	4	3	2	2	3	4	4	2	3	2	2	2	3	2	3	3	6
10	5	5	5	5	5	5	4	5	5	5	2	3	3	3	3	4	2	2	1	1	2	4	3	4	4	5
11	3	3	4	3	2	4	4	4	3	4	2	1	2	3	2	1	2	2	2	3	4	4	4	4	3	4
12	4	4	4	3	2	3	3	4	3	3	2	2	2	2	2	2	2	1	1	1	1	1	3	1	2	4
13	1	1	1	1	2	3	2	2	2	3	4	4	4	3	4	3	2	1	2	2	2	0	1	2	2	4
14	1	2	1	1	1	2	2	1	1	2	4	4	4	4	5	3	4	3	5	4	4	2	1	1	3	5
15	1	1	1	1	1	2	2	2	3	3	2	2	2	3	2	2	1	1	1	1	0	1	2	2	2	3
16	2	2	2	1	1	1	1	1	3	2	2	2	3	3	4	3	4	2	2	2	1	1	2	2	2	4
17	1	1	1	2	2	0	0	0	0	2	2	4	2	2	1	1	1	0	0	1	1	1	1	3	1	4
18	3	4	5	4	4	4	4	4	4	4	3	4	2	2	1	2	1	1	1	2	2	1	3	2	3	5
19	1	1	2	2	2	1	1	1	1	2	2	3	3	4	4	3	2	0	0	0	0	0	0	(CM)	2	4
20	(CM)	1	1	1	0	0	0	1	1	2	1	0	0	1	0	1	3	1	1	2	3	2	2	3	1	3
21	0	2	2	3	4	3	4	3	5	4	4	5	6	5	5	6	6	4	4	3	4	2	1	2	4	6
22	1	2	1	2	2	2	2	2	2	2	2	1	4	2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	2	4
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	4	3	4	3	2	1	0	0	1	0	0	0	2	4
24	(CM)	0	0	0	0	0	(CM)	(CM)	0	0	0	1	0	1	0	0	1	1	0	1	1	2	3	3	1	3
25	4	5	2	4	2	1	4	3	2	1	1	2	2	1	1	1	1	3	3	2	2	1	2	2	2	5
26	2	0	2	(CM)	1	1	0	1	1	1	1	2	3	2	2	1	1	1	1	1	0	0	0	1	1	3
27	0	0	1	3	2	2	2	2	1	1	1	2	2	2	2	4	2	1	0	1	1	1	1	2	2	4
28	2	2	4	3	3	5	4	4	4	4	3	4	3	3	3	3	2	1	1	2	2	4	2	1	3	5
AV	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	1	2	2	2	2	2	2	
PK	5	5	5	5	5	5	4	5	6	5	4	5	6	5	5	6	6	4	5	4	4	4	4	4		6

(06/11/79-RPI)

WIND SPEED @ 10M
METERS/SEC

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	2	1	1	1	0	1	1	5	7	6	8	8	8	8	6	6	4	3	1	0	3	9
2	1	1	2	1	1	1	1	0	1	2	5	5	3	3	4	4	5	4	5	4	2	2	2	1	2	5
3	1	1	2	3	2	1	1	1	1	1	1	2	3	4	4	4	4	4	4	2	2	2	3	1	2	4
4	3	4	4	4	3	2	2	1	1	0	1	1	2	3	2	3	3	2	1	1	1	1	1	0	2	4
5	(CM)	(CM)	0	1	2	2	2	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2
6	1	1	1	1	2	1	1	2	0	1	1	1	4	4	3	3	1	1	3	2	2	2	3	2	2	4
7	4	4	4	6	7	6	7	7	8	8	8	7	8	7	7	6	4	4	4	3	2	2	1	2	5	8
8	1	1	2	1	1	1	1	2	1	1	1	2	4	3	2	1	3	2	3	3	1	4	2	2	2	4
9	2	3	1	4	4	4	4	4	2	5	4	4	6	7	6	5	4	3	2	2	2	2	2	2	4	7
10	1	1	2	2	2	1	1	2	1	3	4	6	6	6	4	5	4	3	4	4	2	2	2	2	3	6
11	2	2	3	4	3	3	2	3	2	1	5	6	5	5	4	4	4	3	1	2	2	2	2	2	3	6
12	2	2	1	1	1	1	2	2	2	2	4	4	3	4	3	3	5	8	4	4	3	4	5	2	3	8
13	2	6	7	5	4	10	10	9	8	7	10	11	9	8	8	7	4	2	3	2	2	2	1	2	6	11
14	4	3	2	2	1	2	2	3	5	7	9	11	14	12	6	8	9	8	8	9	8	7	5	3	6	14
15	3	4	4	4	2	3	2	1	0	1	3	3	4	4	3	2	3	3	3	2	2	2	1	2	2	4
16	1	2	1	2	2	0	1	0	1	1	1	4	4	4	5	5	4	2	2	2	2	1	2	2	2	5
17	4	4	3	3	3	4	3	2	2	2	2	4	3	2	1	2	2	2	3	2	1	1	1	1	2	4
18	3	2	2	2	2	2	2	2	1	3	3	3	4	5	4	4	2	1	1	2	2	2	2	2	2	5
19	2	2	4	3	3	2	6	6	6	5	4	5	6	6	5	5	2	2	1	1	1	1	1	(CM)	3	6
20	1	2	2	2	1	1	1	2	1	1	1	1	1	2	1	3	5	3	3	3	2	3	4	5	2	5
21	3	3	4	5	5	3	2	3	4	6	8	9	9	10	6	4	5	7	8	8	8	6	4	5	6	10
22	5	4	4	2	2	2	1	1	1	1	1	1	3	2	4	3	4	2	4	3	4	4	3	2	3	5
23	1	3	2	2	2	1	1	2	3	5	3	5	4	6	7	5	2	1	1	1	1	1	1	0	3	7
24	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1	1	1	1	1	3
25	1	1	1	2	2	2	2	2	2	2	3	2	1	1	3	3	1	2	3	3	2	1	1	2	2	3
26	2	2	1	1	1	1	1	1	1	2	3	3	4	4	2	2	3	2	1	1	1	1	1	2	2	4
27	1	1	1	2	2	2	1	2	1	1	1	2	3	3	2	3	3	2	1	1	2	2	1	1	2	3
28	1	1	1	1	1	1	3	4	4	5	4	5	5	4	6	6	5	4	3	1	2	3	3	4	3	6
AV	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	3	3	3	2	2	2	2	3	
PK	5	6	7	6	7	10	10	9	8	8	10	11	14	12	8	8	9	8	8	9	8	7	5	5		14

(06/11/79-RPI)

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

% DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
12	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	5	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
17	4	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	8	9	9	6	(IM)	5	7	7	5	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	( )	9
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	( )	5
21	(IM)	(IM)	(IM)	5	4	(IM)	(IM)	(IM)	(IM)	7	11	12	11	13	7	4	5	10	11	11	11	8	(IM)	6	8	13
22	7	4	3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	3	(IM)	( )	7
23	(IM)	3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	(IM)	5	(IM)	6	8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	8
24	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	2	(IM)	(IM)	(IM)	(IM)	( )	2
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
26	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	7	7	5	(IM)	(IM)	(IM)	(IM)	(IM)	4	( )	7
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	7	5	3	5	4	( )	8	9	9	7	11	12	11	13	8	7	5	10	11	11	11	8	( )	6		13

II B-663

(06/11/79-RPI)

WIND SPEED @ 60M
METERS/SEC

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	3	1	1	2	0	1	1	7	8	7	7	8	8	9	8	8	4	4	2	1	4	9
2	1	2	4	2	1	2	1	1	2	3	5	5	3	3	5	4	5	6	8	7	2	3	3	2	3	8
3	1	2	2	2	2	1	3	3	2	1	2	2	4	4	4	4	5	6	6	4	2	4	4	2	3	6
4	4	6	6	5	5	3	4	1	1	1	1	2	2	3	3	3	4	3	2	1	1	(CM)	(CM)	(CM)	3	6
5	(CM)	0	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	0	2	1	2
6	1	1	1	1	2	1	1	1	0	2	1	2	4	4	3	3	1	1	4	4	4	4	5	4	2	5
7	5	5	6	7	8	8	11	10	9	8	9	8	8	8	8	8	5	5	5	3	1	2	1	1	6	11
8	2	2	4	1	1	2	1	2	1	2	1	1	4	3	3	2	3	4	4	5	4	6	2	3	3	6
9	3	6	2	5	5	6	6	4	4	6	5	4	6	8	7	6	4	3	4	2	2	1	1	1	4	8
10	3	2	2	1	2	3	3	2	3	4	4	6	6	7	4	6	6	4	5	6	3	3	3	4	4	7
11	2	3	4	4	4	4	2	4	2	2	7	7	6	6	4	5	4	4	3	3	2	3	2	3	4	7
12	3	2	2	3	2	2	3	3	3	2	4	4	4	4	3	4	9	9	8	6	4	8	8	4	4	9
13	2	8	12	9	6	12	12	12	9	8	12	12	9	10	9	8	5	4	3	4	3	2	1	2	7	12
14	5	4	4	2	2	1	3	4	6	8	11	8	16	12	7	9	10	10	9	11	10	9	7	5	7	16
15	5	5	6	6	4	3	3	1	1	1	3	3	4	4	4	3	3	3	5	3	3	3	3	4	3	6
16	3	2	2	3	3	1	1	0	1	1	1	4	5	4	6	5	5	3	3	4	4	2	3	4	3	6
17	6	6	5	5	4	5	3	3	2	2	2	4	3	2	1	2	3	3	3	1	0	(CM)	1	2	3	6
18	4	2	2	3	3	2	2	2	2	4	4	4	5	5	5	4	3	2	2	2	3	4	2	2	3	5
19	2	3	4	4	4	3	9	9	9	6	5	6	7	6	6	5	2	2	2	1	1	1	1	1	4	9
20	1	3	3	3	2	2	2	2	1	1	1	1	1	2	1	3	6	4	5	4	3	4	5	6	3	6
21	4	4	5	6	6	5	3	5	5	7	9	10	10	11	6	5	6	9	10	10	10	8	5	7	7	11
22	8	7	6	2	3	4	2	1	1	1	1	1	3	2	5	3	5	3	5	4	6	6	6	5	4	8
23	1	6	4	2	2	3	3	2	4	6	4	6	5	6	7	5	3	1	1	1	2	2	2	1	3	7
24	1	2	3	2	3	2	1	(CM)	1	1	1	1	1	1	(CM)	1	2	3	5	4	1	0	1	1	2	5
25	2	3	2	2	2	1	3	3	2	2	3	2	1	1	3	3	1	2	3	3	2	1	2	3	2	3
26	3	3	2	2	1	2	2	1	1	2	4	3	4	5	3	3	3	2	2	2	1	1	1	1	2	5
27	1	1	2	3	2	2	2	2	2	1	2	2	3	3	3	3	3	2	2	1	1	1	1	1	2	3
28	1	3	3	2	1	3	5	6	5	5	5	5	5	5	7	7	6	5	4	2	2	5	4	6	4	7
AV	3	3	4	3	3	3	3	3	3	3	4	4	5	5	5	4	4	4	4	4	3	3	3	3	4	
PK	8	8	12	9	8	12	12	12	9	8	12	12	16	12	9	9	10	10	10	11	10	9	8	7		16

(06/11/79-RPI)

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD42 PERIOD(2/01/79 TO 2/28/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	1	1	0	1	1	2	5	7	5	6	6	5	5	3	2	1	1	1	1	3
2	1	1	1	0	1	1	1	1	1	1	1	2	1	3	4	4	4	3	1	1	1	2	1	1	2
3	2	2	2	2	2	2	2	2	1	2	2	3	3	4	3	4	5	5	3	3	3	2	3	2	3
4	2	2	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	1	1	1	2	2	2	2
5	2	2	2	1	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	2	1	1	1	2	2
6	2	1	2	1	2	1	1	1	1	2	1	3	4	9	4	2	1	2	4	2	2	2	2	2	2
7	2	2	2	5	4	3	4	4	6	7	8	8	8	6	5	4	3	3	3	3	3	2	3	2	4
8	1	1	2	2	2	2	3	3	3	2	3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
21	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
22	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
23	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
24	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 179

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD56 PERIOD(2/01/79 TO 2/28/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	0	1	1	2	1	1	2	2	2	
9	2	2	2	2	2	2	2	2	2	3	2	2	3	3	4	2	2	2	1	2	2	2	2	2	2
10	2	2	2	2	2	3	2	2	2	2	2	4	4	2	3	2	1	1	2	1	1	1	4	3	2
11	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2	2	2
12	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
13	2	2	2	3	4	3	1	1	1	3	3	3	2	2	2	2	1	1	1	1	1	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	3	3	2	2	2	2	2	2
15	2	2	2	2	2	2	2	1	1	2	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
16	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
17	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
18	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
19	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
20	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
21	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	4	3	3	4	5	4	2	3	3	2	2	1	2	3
22	2	2	2	2	1	1	2	1	2	3	1	2	1	2	1	2	1	1	1	1	1	1	2	2	2
23	2	2	2	1	2	2	1	2	1	2	3	2	2	2	2	2	1	1	1	2	1	0	1	1	2
24	4	0	1	0	1	3	2	1	1	1	1	2	1	1	1	1	2	2	2	2	1	2	1	2	1
25	1	2	1	2	2	2	2	2	2	1	2	1	2	2	2	2	2	2	1	2	1	2	2	2	2
26	2	2	1	1	1	1	1	1	1	1	1	3	3	3	2	1	2	2	1	1	1	1	1	1	1
27	0	1	1	1	2	2	1	2	2	2	2	2	2	2	1	2	2	1	3	2	1	3	2	0	2
28	2	2	1	2	1	1	2	2	2	3	4	3	2	4	4	4	3	1	2	2	2	2	1	1	2
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 344

II B-666

WIND DIRECTION @10M
DEGREES

CB-TRACT
TRAILER A820
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	325	105	85	303	307	20	85	17	100	120	127	120	245	227	230	230	233	285	45	55	285	300	310	360	339
2	60	100	105	305	107	75	55	100	103	300	300	285	310	100	285	230	190	107	90	105	105	105	105	97	92
3	100	100	95	100	100	120	137	115	135	135	120	108	(VA)	225	215	180	190	120	107	95	120	130	93	107	124
4	123	115	97	123	85	105	70	85	107	100	105	120	17	325	310	325	325	17	105	115	100	105	105	120	83
5	125	130	137	135	(VA)	100	105	103	90	298	300	300	295	290	290	290	300	105	90	120	135	303	355	63	79
6	95	298	290	100	105	90	300	100	105	100	98	298	285	280	280	280	310	325	85	90	93	100	100	105	66
7	127	125	123	105	93	95	93	90	90	160	168	165	150	165	170	163	125	125	105	120	125	98	105	103	124
8	105	93	95	100	107	93	93	87	95	120	130	107	(RF)	(RF)	(RF)	85	107	110	105	105	100	120	105	110	103
9	133	130	103	133	135	95	133	130	135	123	160	170	155	190	165	170	135	110	120	120	107	133	120	107	133
10	135	137	133	130	135	133	133	135	135	133	105	180	180	168	175	185	163	133	105	93	107	130	130	133	138
11	125	135	135	135	125	133	130	130	135	135	107	(VA)	(VA)	195	135	165	163	120	125	123	137	135	137	137	136
12	135	137	133	137	130	120	110	133	107	100	93	190	165	150	175	165	135	130	107	105	90	115	130	107	129
13	100	90	115	90	80	85	95	95	75	75	85	100	135	125	135	136	115	120	75	55	123	110	90	95	100
14	87	(VA)	95	(VA)	95	95	100	90	95	(VA)	(VA)	190	210	190	150	205	190	150	260	255	210	240	165	100	156
15	90	100	105	60	100	110	105	105	145	145	140	137	212	185	180	165	153	180	37	110	120	123	137	125	123
16	137	135	95	130	85	95	90	110	135	135	300	305	243	210	267	243	270	275	285	107	107	105	95	105	136
17	95	95	103	105	95	30	(VA)	90	(VA)	315	300	285	285	273	300	315	180	120	90	120	110	107	103	135	94
18	120	133	137	135	135	130	125	133	135	133	120	125	175	180	185	170	175	100	120	113	105	93	125	120	134
19	(VA)	100	103	105	107	300	90	300	(VA)	300	303	300	243	195	165	160	253	75	80	60	80	100	90	90	101
20	20	290	290	340	40	60	30	295	300	288	300	(VA)	(VA)	107	105	105	165	165	103	133	137	125	110	110	91
21	107	120	110	120	115	107	105	115	105	110	120	135	125	125	120	107	100	130	135	180	150	(VA)	135	75	119
22	75	75	90	100	105	105	107	123	123	285	285	75	275	285	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	94
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	140	140	137	160	165	120	(VA)	100	105	80	75	90	90	117
24	65	310	318	95	(VA)	105	80	85	90	90	15	298	318	315	340	40	115	105	100	110	125	125	135	135	76
25	135	135	105	123	110	90	123	130	(VA)	295	290	295	298	315	270	220	135	103	105	130	105	100	105	100	121
26	(VA)	(VA)	303	70	300	105	100	(VA)	(VA)	100	105	300	320	230	360	40	65	90	120	130	105	90	45	325	64
27	70	330	280	275	280	283	283	280	330	300	280	275	280	270	275	290	328	73	100	103	103	100	100	107	304
28	135	100	115	120	120	133	120	133	130	125	180	163	163	203	175	175	225	165	100	105	110	120	105	100	136
PV	104	111	108	109	104	97	100	106	111	120	123	182	231	206	204	184	165	117	99	109	114	112	107	103	108

(06/11/79-RPI)

WIND DIRECTION @ 10M
DEGREES

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	188	92	104	95	197	261	282	300	288	58	90	225	223	230	228	210	254	218	208	212	235	230	238	198	219
2	273	155	247	10	310	2	242	70	75	223	233	254	313	335	238	278	212	205	210	224	280	198	320	300	261
3	163	228	207	212	128	358	198	345	128	73	70	355	227	220	210	207	205	193	185	118	130	148	180	88	172
4	190	200	208	200	203	208	190	86	88	52	67	88	12	7	340	18	335	345	315	265	233	220	3	220	264
5	(VA)	(VA)	(VA)	(VA)	285	210	210	(VA)	95	58	5	15	25	347	10	(VA)	230	85	215	130	95	55	92	135	71
6	85	35	288	(VA)	123	105	198	245	40	145	90	17	345	335	320	360	5	300	205	207	200	208	210	160	234
7	205	200	200	195	195	197	200	205	202	205	208	200	207	205	215	215	200	197	200	205	105	115	30	350	199
8	315	240	235	73	160	200	150	150	150	115	360	17	235	210	273	240	230	185	210	210	190	190	120	150	193
9	115	175	(VA)	165	177	180	190	160	198	215	200	205	205	210	215	208	195	172	160	95	145	130	130	165	176
10	155	110	80	100	100	65	80	100	70	210	225	205	195	205	218	195	200	200	195	210	150	170	180	180	164
11	190	160	165	168	140	150	175	165	125	80	220	227	225	212	210	214	207	165	165	120	90	100	125	105	164
12	(VA)	155	120	150	135	(VA)	175	170	175	118	200	203	215	205	225	255	212	210	200	185	165	210	203	200	186
13	5	220	210	210	200	195	190	175	175	185	195	192	205	193	193	187	175	165	140	160	117	150	100	100	177
14	190	(VA)	(VA)	65	65	100	200	190	227	235	205	220	195	197	183	215	215	220	233	235	223	220	210	202	204
15	195	205	208	208	160	200	135	65	65	35	155	225	230	215	215	243	203	222	225	212	210	210	212	183	199
16	245	85	170	165	165	108	210	18	78	40	330	265	225	220	215	208	210	224	214	211	204	322	235	236	211
17	204	202	194	204	287	295	283	238	230	243	324	319	331	334	3	242	201	205	243	243	213	216	37	167	243
18	159	129	92	138	120	100	96	87	104	174	174	165	196	198	195	196	171	93	84	99	61	58	38	43	123
19	32	117	149	136	134	113	171	172	174	174	204	215	206	206	193	204	231	223	166	87	65	128	104	(VA)	162
20	286	285	281	279	293	8	43	49	28	290	315	359	15	65	3	253	198	192	167	159	149	166	180	187	236
21	172	155	155	164	157	129	103	123	154	173	168	166	154	164	139	79	124	190	186	192	194	211	199	194	161
22	198	202	196	111	183	166	115	92	30	48	322	14	302	310	252	242	252	216	209	210	193	200	190	195	205
23	66	179	185	119	116	121	113	97	130	170	163	170	174	174	176	182	144	257	61	102	196	207	278	330	154
24	245	271	297	308	332	348	142	186	215	20	344	319	349	348	336	18	109	214	195	204	82	194	144	196	280
25	121	78	100	104	106	107	127	126	109	99	134	140	11	14	223	202	28	139	160	175	173	122	126	106	120
26	143	122	123	58	281	229	160	242	283	146	131	244	221	197	267	141	171	102	85	106	148	171	122	258	167
27	256	302	311	295	292	285	296	290	279	276	302	306	316	298	320	312	301	308	309	220	206	188	292	58	291
28	83	156	133	283	71	157	174	169	176	181	198	204	207	204	208	208	197	186	193	165	68	196	181	181	178
PV	182	170	182	155	162	155	172	145	137	144	196	231	238	230	233	221	205	199	193	181	164	179	164	175	195

(06/11/79-RPI)

II B-668

WIND DIRECTION @ 30M
DEGREES

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	90	140	120	130	210	315	278	298	295	80	115	225	240	235	242	220	235	225	222	227	238	238	235	(VA)	223
2	140	212	252	5	285	(VA)	325	265	175	233	240	275	318	300	270	287	228	220	225	235	280	215	280	340	260
3	155	272	235	238	200	107	185	170	160	70	100	30	235	235	223	217	220	198	198	175	160	190	190	175	190
4	220	220	230	215	218	205	205	155	130	85	80	70	10	20	347	20	340	350	342	50	330	227	75	95	49
5	95	175	155	178	275	245	200	112	112	100	65	8	30	345	13	67	220	85	212	160	170	80	125	160	127
6	140	90	275	225	110	110	140	230	100	150	100	40	343	330	320	5	355	242	200	207	210	235	210	210	137
7	217	208	208	197	205	215	205	213	210	212	223	200	210	212	223	225	212	200	210	210	115	55	25	335	209
8	310	260	250	57	130	170	195	145	142	137	7	15	238	215	237	235	235	193	210	203	212	205	145	165	199
9	178	183	180	182	180	190	200	190	197	225	213	205	212	223	223	220	205	190	182	150	145	158	135	175	189
10	190	173	132	133	135	197	175	117	143	200	220	208	198	210	220	195	215	205	215	212	185	205	200	195	188
11	215	185	175	182	175	170	175	175	155	178	223	227	225	215	223	225	215	178	160	153	112	108	150	190	184
12	173	158	150	180	115	230	170	195	185	155	205	215	215	210	233	180	215	215	205	205	180	210	210	208	193
13	300	208	215	210	210	205	195	180	188	200	200	203	210	195	197	190	172	190	177	163	100	150	150	110	188
14	195	(VA)	225	77	(VA)	63	208	198	225	225	215	215	208	205	200	217	225	225	243	250	235	232	225	210	216
15	212	210	207	210	208	195	195	(VA)	165	58	180	237	238	207	225	230	215	235	232	215	212	198	193	182	208
16	205	85	153	155	155	153	152	40	80	65	10	245	222	224	218	211	213	225	217	215	207	239	236	235	197
17	208	207	198	207	287	298	286	240	232	243	325	322	331	332	5	240	203	208	250	257	200	203	58	150	243
18	158	134	112	144	134	121	107	105	139	176	176	168	200	200	198	199	173	102	96	112	84	99	54	52	135
19	30	122	151	141	140	121	172	174	175	177	206	217	209	209	196	208	229	222	170	102	72	135	130	(VA)	166
20	286	289	285	284	297	3	44	54	38	294	314	3	20	72	2	238	201	195	171	162	154	168	183	188	283
21	175	158	157	165	158	131	109	126	156	175	171	168	157	166	141	83	127	194	190	195	198	214	202	198	164
22	202	206	201	148	188	176	133	98	26	53	322	18	304	313	252	241	252	215	212	213	196	204	193	200	209
23	83	180	183	142	126	124	121	108	136	172	166	172	175	176	179	185	147	244	83	125	196	203	280	316	160
24	257	276	301	311	334	343	10	224	213	10	347	326	355	351	347	30	111	210	197	201	92	139	139	166	314
25	149	115	130	110	124	111	122	125	112	105	137	144	28	17	223	204	88	146	163	174	171	127	127	117	139
26	142	127	132	87	347	165	150	171	322	140	133	241	224	200	267	145	173	109	93	120	161	176	124	260	156
27	272	286	308	298	298	292	305	294	283	280	305	310	320	299	322	310	303	309	316	235	213	178	259	62	293
28	99	178	154	260	80	172	180	171	178	183	201	207	209	207	210	211	200	191	198	173	101	194	186	184	183
PV	183	186	191	176	181	172	176	167	163	160	191	232	242	234	239	217	208	203	199	187	174	184	174	180	194

(06/11/79-RPI)

II B-669

WIND DIRECTION @ 60M
DEGREES

CR-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	150	195	145	125	200	315	320	290	280	230	178	242	242	250	245	220	230	232	225	230	245	250	230	257	232
2	205	230	250	255	250	250	272	230	243	250	245	285	305	310	265	283	225	220	230	238	280	240	280	345	256
3	255	260	275	270	215	185	195	205	205	(VA)	108	17	245	235	240	225	223	208	210	208	200	210	215	205	221
4	217	228	232	225	230	200	210	203	185	107	98	83	20	20	343	20	347	355	5	45	35	(VA)	345	(VA)	346
5	195	163	165	170	315	90	167	160	162	112	270	320	22	340	25	(VA)	225	126	225	195	205	45	130	160	166
6	160	95	265	(VA)	145	125	135	210	203	155	110	10	350	340	327	5	355	260	223	213	230	253	224	223	215
7	210	215	217	205	210	220	215	215	215	215	215	220	217	220	235	225	228	212	215	215	160	360	17	285	220
8	317	303	280	45	120	165	235	145	148	155	10	20	245	212	237	240	240	205	210	210	220	210	205	195	215
9	195	202	208	206	197	205	208	209	215	227	230	220	212	223	225	223	210	195	210	185	190	180	145	185	205
10	210	212	190	175	210	217	213	160	210	215	240	210	207	212	225	210	223	215	212	207	222	192	208	220	209
11	200	205	190	195	190	195	(VA)	195	213	220	235	238	227	215	225	235	220	212	195	202	150	140	167	210	204
12	210	200	215	215	170	235	190	185	190	165	230	220	223	220	235	215	220	220	223	225	225	225	215	225	213
13	(VA)	205	218	220	220	208	200	193	198	200	200	200	210	197	195	190	195	190	197	175	148	185	180	145	195
14	203	(VA)	207	80	200	45	220	207	230	222	220	227	205	203	205	223	233	230	250	245	235	242	230	223	220
15	220	223	218	220	227	213	225	(VA)	225	115	180	227	235	215	245	250	213	245	243	237	230	222	207	190	221
16	195	80	140	142	145	140	240	20	(VA)	70	345	260	235	226	221	215	216	228	222	220	210	269	237	237	211
17	212	212	203	214	291	300	289	243	236	246	326	326	334	331	5	240	207	212	256	269	208	(VA)	67	150	256
18	161	148	137	153	150	144	127	127	159	180	179	172	203	203	201	202	177	111	110	124	105	128	65	68	143
19	33	138	157	151	147	134	175	176	179	180	209	220	212	212	199	210	230	223	176	115	84	146	151	289	176
20	281	293	290	289	304	8	48	56	38	291	313	3	24	79	3	215	204	200	176	167	162	172	186	191	276
21	179	162	161	168	161	137	119	133	161	178	175	172	161	171	149	93	137	202	203	213	217	234	222	218	172
22	222	226	222	219	209	206	196	124	26	69	337	35	323	331	272	260	271	235	232	232	215	223	213	227	238
23	90	200	205	173	153	146	147	137	159	191	188	192	195	196	198	205	168	249	115	157	218	235	298	329	184
24	283	298	318	327	351	16	55	(VA)	234	27	7	340	11	1	(VA)	48	132	231	216	223	120	162	153	192	335
25	184	154	165	139	156	137	142	148	133	129	159	167	54	24	241	224	171	174	184	193	190	142	141	143	158
26	164	149	156	124	180	178	173	197	348	165	154	258	242	218	283	168	192	134	119	147	192	202	149	279	130
27	320	306	326	321	319	316	328	315	306	301	326	329	340	319	342	331	326	329	338	267	240	192	247	69	315
28	152	207	187	266	107	203	202	191	198	203	220	226	229	226	230	231	219	211	220	205	141	212	207	203	206
FV	203	204	208	196	195	185	196	184	203	185	217	248	248	241	244	227	216	214	211	205	197	204	198	211	215

(06/11/79-RPI)

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD42 PERIOD(2/01/79 TO 2/28/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	277	59	85	98	256	247	16	303	65	49	87	88	225	218	199	202	214	222	206	266	286	74	37	320	235
2	268	90	61	66	314	51	242	90	111	138	246	271	277	313	269	234	198	186	45	341	110	190	88	83	144
3	90	77	59	74	78	70	83	61	61	90	51	47	203	229	226	176	182	174	65	93	94	92	72	95	93
4	59	74	58	161	31	77	50	66	98	96	73	188	27	329	338	312	302	308	34	102	339	67	55	61	47
5	73	70	76	88	70	84	87	78	86	77	61	345	141	333	328	238	289	94	210	37	98	84	345	80	67
6	45	17	245	218	113	108	67	61	19	89	55	323	298	301	269	306	306	225	184	191	99	86	75	69	47
7	31	83	78	105	166	32	162	178	179	194	193	193	187	177	201	199	174	175	131	97	98	99	94	175	143
8	102	82	83	86	72	118	55	66	91	86	30	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
21	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
22	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
23	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
24	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 179

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD56 PERIOD(2/01/79 TO 2/28/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	85	90	120	135	167	181	115	125	130	
9	150	180	175	172	161	158	179	132	119	100	151	177	174	168	180	182	180	123	170	162	100	150	142	138	155
10	137	180	91	150	150	90	72	146	90	74	22	80	180	180	177	183	180	192	90	145	180	223	182	184	145
11	66	169	155	136	139	128	155	158	100	275	68	185	181	178	82	167	126	103	90	133	100	66	54	175	129
12	174	169	204	103	97	85	111	58	76	69	58	157	171	153	150	105	106	79	122	141	107	82	80	148	115
13	147	134	103	112	61	84	118	134	285	95	87	83	72	185	118	118	151	104	130	185	210	158	162	120	124
14	181	77	86	156	130	121	138	123	188	278	290	232	288	216	165	165	214	162	261	221	180	218	108	106	175
15	112	162	96	120	110	119	117	116	106	158	35	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
16	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
17	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
18	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
19	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
20	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
21	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	137	90	90	87	83	76	215	120	180	162	289	187	180	135
22	180	115	162	167	105	129	136	147	90	98	315	21	320	312	307	270	257	325	127	90	127	162	179	122	136
23	131	127	150	169	152	168	180	163	62	87	153	152	167	172	161	157	133	325	312	90	177	136	142	146	147
24	142	57	334	181	167	72	180	181	103	90	0	341	349	337	351	315	147	180	177	151	154	162	167	174	139
25	137	90	174	166	179	145	150	152	167	47	348	332	340	312	187	226	208	93	177	165	169	174	173	169	163
26	182	177	180	0	321	176	180	295	310	94	121	346	327	180	315	62	289	87	81	92	90	157	176	238	139
27	100	212	283	339	327	344	291	306	325	327	340	341	329	351	349	352	311	301	176	188	192	159	162	162	309
28	162	157	157	157	157	158	155	159	57	99	184	179	180	182	183	180	185	166	156	172	134	157	161	180	161
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 345

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	325	105	85	303	307	20	85	17	100	120	127	120	245	227	230	230	233	285	45	55	285	300	310	360	248	0.7
2	60	100	105	305	107	75	55	100	103	300	300	285	310	100	285	230	190	107	90	105	105	105	105	97	101	0.2
3	100	100	95	100	100	120	137	115	135	135	120	108	***	225	215	180	190	120	107	95	120	130	93	107	124	2.0
4	123	115	97	123	85	105	70	85	107	100	105	120	17	325	310	325	325	17	105	115	100	105	105	120	87	1.0
5	125	130	137	135	***	100	105	103	90	298	300	300	295	290	290	290	300	105	90	120	135	303	355	63	268	0.1
6	95	298	290	100	105	90	300	100	105	100	98	298	285	280	280	280	310	325	85	90	93	100	100	105	341	0.2
7	127	125	123	105	93	95	93	90	90	160	168	165	150	165	170	163	125	125	105	120	125	98	105	103	124	2.1
8	105	93	95	100	107	93	93	87	95	120	130	107	***	***	***	85	107	110	105	105	100	120	105	110	103	1.9
9	133	130	103	133	135	95	133	130	135	123	160	170	155	190	165	170	135	110	120	120	107	133	120	107	135	2.8
10	135	137	133	130	135	133	133	135	135	133	105	180	180	168	175	185	163	133	105	93	107	130	130	133	139	3.4
11	125	135	135	135	125	133	130	130	135	135	107	***	***	195	135	165	163	120	125	123	137	135	137	137	134	3.0
12	135	137	133	137	130	120	110	133	107	100	93	190	165	150	175	165	135	130	107	105	90	115	130	107	130	2.1
13	100	90	115	90	80	85	95	95	75	75	85	100	135	125	135	136	115	120	75	55	123	110	90	95	101	1.9
14	87	***	95	***	95	95	100	90	95	***	***	190	210	190	150	205	190	150	260	255	210	240	165	100	189	1.7
15	90	100	105	60	100	110	105	105	145	145	140	137	212	185	180	165	153	180	37	110	120	123	137	125	137	1.3
16	137	135	95	130	85	95	90	110	135	135	300	305	243	210	267	243	270	275	285	107	107	105	95	105	183	0.5
17	95	95	103	105	95	30	***	90	***	315	300	285	285	273	300	315	180	120	90	120	110	107	103	135	97	0.1
18	120	133	137	135	135	130	125	133	135	133	120	125	175	180	185	170	175	100	120	113	105	93	125	120	133	2.8
19	***	100	103	105	107	300	90	300	***	300	303	300	243	195	165	160	253	75	80	60	80	100	90	90	185	0.4
20	20	290	290	340	40	60	30	295	300	288	300	***	***	107	105	105	165	165	103	133	137	125	110	110	126	0.5
21	107	120	110	120	115	107	105	115	105	110	120	135	125	125	120	107	100	130	135	180	150	***	135	75	119	3.5
22	75	75	90	100	105	105	107	123	123	285	285	75	275	285	***	***	***	***	***	***	***	***	***	***	103	0.4
23	***	***	***	***	***	***	***	***	***	***	***	140	140	137	160	165	120	***	100	105	80	75	90	90	138	1.6
24	65	310	316	95	***	105	80	85	90	90	15	298	318	315	340	40	115	105	100	110	125	125	135	135	112	0.5
25	135	135	105	123	110	90	123	130	***	295	290	295	298	315	270	220	135	103	105	130	105	100	105	100	122	1.4
26	***	***	303	70	300	105	100	***	***	100	105	300	320	230	360	40	65	90	120	130	105	90	45	325	1	0.3
27	70	330	280	275	280	283	283	280	330	300	280	275	280	270	275	290	328	73	100	103	103	100	100	107	290	0.8
28	135	100	115	120	120	133	120	133	130	125	180	163	163	203	175	175	225	165	100	105	110	120	105	100	138	2.4
VD	121	122	119	121	113	110	114	119	120	125	129	182	213	199	191	185	167	121	110	118	121	120	114	112	130	
VV	1.9	1.7	1.5	1.7	1.6	1.6	2.1	1.8	2.2	1.3	0.7	0.8	1.2	1.5	1.2	1.2	0.9	1.1	0.8	1.2	1.6	1.4	1.6	1.8		1.3

TOTAL NUMBER OF OBSERVATIONS = 614

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE, INC.

DAY	HOUR (LOCAL STANDARD TIME) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	VECTOR DIR	VECTOR VEL
1	188	92	104	95	197	261	282	300	288	58	90	225	223	230	228	210	254	218	208	212	235	230	238	198	223	2.9
2	273	155	247	10	310	2	242	70	75	223	233	254	313	335	238	278	212	205	210	224	280	198	320	300	247	1.7
3	163	228	207	212	128	358	198	345	128	73	70	355	227	220	210	207	205	193	185	118	130	148	180	88	189	1.5
4	190	200	208	200	203	208	190	86	88	52	67	88	12	7	340	18	335	345	315	265	233	220	3	220	239	0.4
5	***	***	***	***	285	210	210	***	95	58	5	15	25	347	10	***	230	85	215	130	95	55	92	135	87	0.2
6	85	35	288	***	123	105	198	245	40	145	90	17	345	335	320	360	5	300	205	207	200	208	210	180	279	0.3
7	205	200	200	195	195	197	200	205	202	205	208	200	207	205	215	215	200	197	200	205	105	115	30	350	202	4.7
8	315	240	235	73	160	200	150	150	150	115	360	17	235	210	273	240	230	185	210	210	190	190	120	150	201	1.2
9	115	175	***	165	177	180	190	160	198	215	200	205	205	210	215	208	195	172	160	95	145	130	130	165	187	3.2
10	155	110	80	100	100	65	80	100	70	210	225	205	195	205	218	195	200	200	195	210	150	170	180	180	138	2.2
11	190	160	165	168	140	150	175	165	125	80	220	227	225	212	210	214	207	165	165	120	90	100	125	105	181	2.3
12	***	155	120	150	135	***	175	170	175	118	200	203	215	205	225	255	212	210	200	185	165	210	203	200	198	2.9
13	5	220	210	210	200	195	190	175	175	185	195	192	205	193	193	187	175	165	140	160	117	150	100	100	189	5.3
14	190	***	***	65	65	100	200	190	227	235	205	220	195	197	183	215	215	220	233	235	223	220	210	202	211	5.9
15	195	205	208	208	160	200	135	65	65	35	155	225	230	215	215	243	203	222	225	212	210	210	212	183	206	2.1
16	245	85	170	165	165	108	210	18	78	40	330	265	225	219	214	208	210	223	213	210	204	322	235	235	215	1.6
17	203	201	193	203	286	294	282	238	230	242	323	318	331	334	3	242	200	204	243	243	213	216	36	166	248	1.4
18	159	128	92	137	120	100	95	87	104	174	174	165	196	197	194	196	171	92	83	98	61	58	37	43	145	1.6
19	32	116	149	136	133	112	170	172	173	174	203	215	206	205	193	204	230	222	165	86	64	127	104	***	177	2.7
20	285	284	281	279	292	7	42	49	27	290	315	359	15	65	2	252	199	191	167	158	149	165	179	187	203	0.7
21	171	154	154	164	156	128	103	122	154	172	167	165	154	164	139	78	124	190	185	191	194	210	198	193	166	5.0
22	197	201	195	110	182	166	115	92	30	48	321	13	302	310	251	241	251	216	208	209	192	200	189	194	210	1.7
23	66	178	184	118	116	121	112	97	129	169	163	170	173	174	176	182	143	256	60	102	196	206	277	329	162	2.1
24	245	270	297	307	332	348	141	186	215	20	343	319	349	347	335	18	108	213	194	204	81	193	143	196	252	0.4
25	121	78	100	103	106	106	126	125	108	98	133	139	10	14	222	202	27	139	159	175	173	121	126	105	131	1.3
26	142	122	123	58	280	228	159	242	282	145	131	244	221	197	266	141	171	102	84	105	148	170	122	257	177	1.0
27	255	302	311	294	292	285	296	290	278	275	301	306	316	298	320	311	301	307	309	220	206	137	291	57	293	1.4
28	83	156	133	282	71	157	174	169	176	181	197	204	206	204	207	208	196	186	192	165	67	195	180	180	189	2.8
VD	185	182	192	173	170	177	177	166	170	184	196	212	214	209	214	213	208	202	198	196	181	190	186	176	196	
VV	1.2	1.5	1.6	1.5	1.3	1.2	1.7	1.6	1.5	1.8	2.3	2.7	3.1	3.1	3.0	2.9	2.8	2.5	2.6	2.2	1.5	1.7	1.2	1.2		1.9

TOTAL NUMBER OF OBSERVATIONS = 659

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
30 METER LEVEL

CR-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																							VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	90	140	120	130	210	315	278	298	295	80	115	225	240	235	242	220	235	225	222	227	238	238	235	***	****	****
2	140	212	252	5	285	***	325	265	175	233	240	275	318	300	270	287	228	220	225	235	280	215	280	340	****	****
3	155	272	235	238	200	107	185	170	160	70	100	30	235	235	223	217	220	198	198	175	160	190	190	175	****	****
4	220	220	230	215	218	205	205	155	130	85	80	70	10	20	347	20	340	350	342	50	330	227	75	95	****	****
5	95	175	155	178	275	245	200	112	112	100	65	8	30	345	13	67	220	85	212	160	170	80	125	160	****	****
6	140	90	275	225	110	110	140	230	100	150	100	40	343	330	320	5	355	242	200	207	210	235	210	210	****	****
7	217	208	208	197	205	215	205	213	210	212	223	200	210	212	223	225	212	200	210	210	115	55	25	335	****	****
8	310	260	250	57	130	170	195	145	142	137	7	15	238	215	237	235	235	193	210	203	212	205	145	165	****	****
9	178	183	180	182	180	190	200	190	197	225	213	205	212	223	223	220	205	190	182	150	145	158	135	175	****	****
10	190	173	132	133	135	197	175	117	143	200	220	208	198	210	220	195	215	205	215	212	185	205	204	195	****	****
11	215	185	175	182	175	170	175	175	155	178	223	227	225	215	223	225	215	178	160	153	112	108	150	190	****	****
12	173	158	150	130	115	230	170	195	185	155	205	215	215	210	233	180	215	215	205	205	180	210	210	208	****	****
13	300	208	215	210	210	205	195	180	188	200	200	203	210	195	197	190	172	180	177	163	100	150	150	110	****	****
14	195	***	225	77	***	63	208	198	225	225	215	215	208	205	200	217	225	225	243	250	235	232	225	210	****	****
15	212	210	207	210	208	195	195	***	165	58	180	237	238	207	225	230	215	235	232	215	212	198	193	182	****	****
16	205	85	153	155	155	153	152	40	80	65	10	245	222	223	217	211	213	225	217	215	206	288	236	235	****	****
17	208	206	197	207	287	297	285	239	232	243	324	322	331	331	4	240	202	207	249	256	200	202	57	149	****	****
18	158	133	112	143	134	121	106	104	138	176	175	167	200	200	197	198	172	102	96	111	84	99	53	52	****	****
19	29	122	150	141	139	120	172	173	175	176	206	217	209	209	196	207	228	222	169	101	72	134	129	***	****	****
20	285	288	284	283	297	3	44	53	37	294	314	3	20	72	2	238	201	194	171	161	153	168	182	188	****	****
21	174	157	156	165	157	131	108	125	156	174	170	168	156	166	141	82	127	194	189	195	197	214	201	197	174	7.6
22	201	205	200	148	187	175	133	97	26	53	322	17	303	313	252	241	252	214	212	213	195	203	193	200	****	****
23	83	180	183	142	126	124	120	108	136	171	166	171	175	176	178	185	146	244	82	124	196	203	279	316	****	****
24	256	275	300	310	333	343	10	224	213	9	346	326	354	350	346	30	110	210	197	201	91	130	138	165	****	****
25	149	115	130	109	124	110	122	125	111	104	136	143	27	16	223	204	87	146	162	173	170	125	126	117	****	****
26	142	127	131	86	346	165	150	170	322	140	132	240	224	199	266	144	172	108	92	120	160	176	123	260	****	****
27	272	286	308	298	297	291	304	294	282	279	305	310	320	298	322	310	302	309	316	234	213	178	259	61	****	****
28	99	178	153	269	79	171	179	171	177	183	200	206	209	206	210	211	199	190	198	172	101	194	185	183	****	****
VD	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	
VV	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****

TOTAL NUMBER OF OBSERVATIONS = 49

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
60 METER LEVEL

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	150	195	145	125	200	315	320	290	280	230	178	242	242	250	245	220	230	232	225	230	245	250	230	257	235	3.7
2	205	230	250	255	250	250	272	230	243	250	245	285	305	310	265	283	225	220	230	238	280	240	280	345	254	2.9
3	255	260	275	270	215	185	195	205	205	***	108	17	245	235	240	225	223	208	210	208	200	210	215	205	220	2.6
4	217	228	232	225	230	200	210	203	185	107	98	83	20	20	343	20	347	355	5	45	35	***	345	***	247	0.9
5	195	163	165	170	315	90	167	160	162	112	270	320	22	340	25	***	225	126	225	195	205	45	130	160	173	0.4
6	160	95	265	***	145	125	135	210	203	155	110	10	350	349	327	5	355	260	223	213	230	253	224	223	246	0.8
7	210	215	217	205	210	220	215	215	215	215	215	220	217	220	235	225	228	212	215	215	160	360	17	285	218	6.0
8	317	303	280	45	120	165	235	145	148	155	10	20	245	212	237	240	240	205	210	210	220	210	203	195	218	1.8
9	195	202	208	206	197	205	208	209	215	227	230	220	212	223	225	223	210	195	210	185	190	180	145	185	211	4.1
10	210	212	190	175	210	217	213	160	210	215	240	210	207	212	225	210	223	215	212	207	222	192	208	220	212	3.7
11	200	205	190	195	190	195	***	195	213	220	235	238	227	215	225	235	220	212	195	202	150	140	167	210	211	3.5
12	210	200	215	215	170	235	190	185	190	165	230	220	223	220	235	215	220	220	223	225	225	225	215	225	217	4.2
13	***	205	218	220	220	208	200	193	198	200	200	200	210	197	195	190	195	190	197	175	148	185	180	145	201	7.3
14	203	***	207	80	200	45	220	207	230	222	220	227	205	203	205	223	233	230	250	245	235	242	230	223	224	6.8
15	220	223	218	220	227	213	225	***	225	115	180	227	235	215	245	250	213	245	243	237	230	222	207	190	223	3.4
16	195	80	140	142	145	140	240	20	***	70	345	260	235	226	220	214	216	228	221	219	210	269	237	236	216	2.2
17	212	211	202	213	291	300	289	242	235	245	326	326	333	331	4	240	207	211	256	269	207	***	67	149	249	1.9
18	160	148	137	153	149	144	127	126	159	179	179	172	202	202	200	201	177	111	110	124	105	128	64	67	158	2.3
19	33	138	157	150	147	136	174	175	178	180	209	219	211	212	199	210	229	222	176	114	84	145	150	288	184	3.5
20	280	292	289	288	304	7	48	56	38	291	313	2	23	78	2	214	204	199	176	167	161	172	185	190	204	1.1
21	178	162	161	168	160	136	118	133	161	178	174	172	161	170	148	92	136	201	203	212	216	233	221	217	177	5.9
22	221	226	221	219	208	205	195	123	26	68	337	34	323	331	271	260	271	235	232	232	215	223	213	226	233	3.0
23	90	200	204	173	152	145	146	137	159	191	187	191	194	195	197	205	168	249	115	157	217	234	297	328	188	2.3
24	283	297	318	327	351	15	54	***	234	26	7	340	10	0	***	48	132	231	216	223	120	161	153	191	270	0.5
25	183	154	165	138	156	136	141	147	133	129	158	166	53	23	241	223	170	174	184	193	189	141	141	143	163	1.7
26	163	149	156	123	180	178	173	197	348	165	153	257	242	218	282	167	191	134	119	147	191	201	149	279	187	1.5
27	319	306	325	320	319	315	327	314	306	300	325	328	339	318	342	330	326	329	338	266	240	191	247	69	319	1.6
28	151	207	196	266	106	202	202	191	197	202	219	225	228	226	229	231	219	210	219	204	141	212	207	202	211	4.0
VD	204	208	213	204	201	201	197	188	198	199	210	224	224	219	229	222	219	216	218	215	210	216	212	209	213	
VV	2.3	2.5	2.7	2.2	2.0	1.8	2.4	2.6	2.4	2.6	2.9	2.9	3.5	3.5	3.4	3.4	3.4	3.4	3.7	3.4	2.3	2.7	2.2	2.2		2.7

TOTAL NUMBER OF OBSERVATIONS = 657

NOTE: **** = MISSING DATA

SIGMA HORIZ. WIND DIR. @ 10M
DEGREES

CR-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	40	18	13	13	16	10	22	8	19	17	15	20	14	17	14	12	12	10	11	11	26	15	22	25	17	40
2	30	22	15	17	26	21	13	16	17	19	13	13	22	18	20	13	11	10	9	9	15	14	12	11	16	30
3	13	12	10	8	19	20	17	20	36	9	19	14	17	16	13	13	11	10	8	16	14	17	10	21	15	36
4	23	12	13	20	12	14	11	16	12	18	27	21	18	15	14	17	16	12	9	14	10	8	8	8	15	27
5	17	22	12	24	11	9	12	18	16	18	11	9	16	19	17	14	13	17	11	21	14	14	27	10	16	27
6	13	13	9	18	21	12	14	12	20	22	22	24	19	14	14	10	16	15	7	10	18	9	9	22	15	24
7	11	11	9	9	9	10	10	10	11	11	12	11	13	13	13	12	14	9	10	11	12	15	24	25	12	25
8	21	13	8	11	11	10	9	11	16	14	13	16	17	18	18	23	16	9	8	10	13	8	13	14	13	23
9	22	17	28	9	7	7	8	12	24	11	12	13	12	11	11	11	13	9	10	15	10	12	10	8	13	28
10	18	12	12	7	9	18	16	21	11	18	18	13	11	10	13	11	11	23	22	15	28	29	21	24	16	29
11	28	8	12	7	9	14	21	13	21	27	14	12	11	12	14	11	10	14	24	23	10	12	16	35	16	35
12	39	29	44	17	35	29	19	24	18	25	14	14	13	16	12	18	12	12	16	26	26	13	10	18	21	44
13	12	15	12	13	16	10	7	8	10	13	12	9	13	10	10	10	29	23	19	21	30	30	30	19	16	30
14	17	25	32	15	13	15	21	17	15	24	15	16	11	11	15	15	12	12	12	11	10	9	9	11	15	32
15	9	8	7	8	17	8	18	21	21	12	18	18	17	22	17	21	18	10	7	8	8	9	14	13	14	22
16	24	10	10	9	11	13	13	23	18	12	14	20	16	20	16	15	13	10	11	10	14	34	16	18	15	34
17	8	7	7	8	9	10	11	11	11	20	21	14	19	22	24	21	19	11	9	10	16	18	16	23	14	24
18	19	10	10	8	10	15	6	8	17	12	13	16	12	12	13	14	13	15	39	26	26	24	25	24	16	39
19	28	23	7	7	11	18	7	7	7	8	12	12	12	13	13	12	20	11	9	16	17	9	11	8	12	23
20	8	7	8	9	12	12	11	13	13	13	13	12	19	18	14	28	11	9	7	7	10	9	10	16	12	28
21	13	10	10	10	9	9	13	11	15	12	12	13	12	11	18	13	16	11	9	10	10	11	13	10	12	18
22	10	12	12	25	8	14	19	13	16	13	11	11	11	11	12	14	12	11	11	10	8	6	7	18	12	25
23	8	12	19	16	11	15	14	12	15	10	15	12	15	11	11	14	13	15	12	20	14	21	9	10	13	21
24	9	7	7	7	6	18	25	11	16	17	9	18	11	14	17	16	16	15	8	12	28	18	40	29	16	40
25	26	19	25	7	8	8	8	7	9	11	11	16	26	16	19	14	40	14	7	10	11	14	17	12	15	40
26	12	10	18	26	26	38	38	30	32	24	10	22	18	13	19	20	13	10	10	11	9	10	9	10	18	33
27	20	24	12	7	8	8	10	10	12	12	11	11	12	11	11	11	9	8	7	7	7	10	13	9	11	24
28	32	21	21	23	22	25	17	7	10	12	14	13	13	15	14	12	11	10	9	36	29	14	27	10	17	36
AV	19	15	14	13	14	15	15	14	16	15	14	15	15	15	15	15	15	12	12	15	16	15	16	16	15	
PK	40	29	44	26	35	38	38	30	36	27	27	24	26	22	24	28	40	23	39	36	30	34	40	35		44

II B-677

(06/11/79-RPI)

SIGMA HORIZ. WIND DIR. @ 60M
DEGREES

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	29	22	17	16	13	13	27	10	9	13	20	16	13	17	13	10	11	9	9	9	12	11	18	27	15	29
2	16	9	10	15	20	17	24	16	13	13	11	11	18	17	15	12	10	9	7	7	14	8	13	9	13	24
3	16	10	14	12	10	49	8	9	10	16	16	21	14	12	12	9	8	9	6	8	12	10	9	14	13	49
4	14	9	10	11	8	19	9	21	10	16	23	18	14	11	15	11	12	9	7	9	12	28	11	6	13	28
5	6	7	9	7	16	18	8	18	14	9	18	14	16	20	15	22	14	6	7	9	17	22	14	8	13	22
6	8	11	10	11	11	25	9	10	14	10	18	26	13	11	11	8	16	12	8	7	8	6	6	9	12	26
7	8	9	7	8	8	7	9	9	10	11	10	10	11	12	10	9	11	8	8	9	26	37	23	18	12	37
8	14	13	9	14	9	7	12	10	10	11	19	19	14	14	20	26	13	7	5	6	6	6	18	11	12	26
9	14	7	20	9	6	7	7	8	13	10	11	12	10	10	9	9	11	9	8	19	13	13	13	9	11	20
10	11	17	17	14	18	16	14	21	21	11	12	9	8	9	13	10	11	16	14	13	25	21	15	16	15	25
11	21	9	8	8	10	10	18	13	14	23	14	10	9	10	9	8	9	8	22	16	18	12	14	24	13	24
12	26	23	23	16	36	27	13	15	19	17	11	11	11	13	10	26	11	8	11	19	19	12	7	17	17	36
13	26	20	9	10	19	8	7	7	9	13	9	9	10	10	9	10	16	25	16	17	16	28	26	14	14	28
14	19	12	21	20	25	28	19	12	19	19	12	17	10	11	14	12	12	9	10	10	8	8	6	8	14	28
15	8	6	6	6	10	7	10	14	18	18	14	21	12	13	13	17	13	8	5	6	7	8	0	6	11	21
16	14	10	7	7	7	13	11	17	15	13	20	24	13	19	13	12	11	9	9	9	11	26	15	13	13	26
17	7	6	6	7	8	8	9	10	9	16	20	11	18	20	23	23	16	8	11	11	25	19	18	12	13	25
18	6	12	18	7	9	13	14	17	13	11	13	14	10	9	11	12	13	17	40	18	28	12	27	37	16	40
19	37	22	7	9	8	22	6	6	7	8	12	10	10	12	12	11	20	10	6	10	19	9	8	8	12	37
20	6	7	7	7	9	10	10	11	15	12	13	14	21	19	21	23	10	9	7	8	10	9	9	9	11	23
21	8	8	8	9	7	7	11	10	13	13	12	11	11	10	14	12	16	11	9	9	10	10	12	9	10	16
22	8	9	10	26	8	16	28	25	13	18	15	15	11	10	13	14	10	10	10	8	7	6	7	13	13	28
23	43	7	14	24	31	10	10	14	12	9	17	12	13	12	13	14	14	20	22	18	8	10	9	8	15	43
24	9	7	7	8	7	8	9	24	10	24	11	30	14	23	23	27	15	11	6	7	43	26	26	26	17	43
25	13	12	11	8	9	11	7	8	9	11	10	15	23	32	16	12	34	17	7	6	8	19	19	11	14	34
26	7	8	10	11	13	11	12	26	24	14	9	19	16	11	16	16	11	9	7	7	7	7	9	9	12	26
27	10	11	9	8	9	10	12	10	13	15	13	12	13	11	11	11	9	7	7	13	13	8	16	24	11	24
28	13	9	7	11	26	10	7	7	10	11	12	12	12	14	12	11	11	10	9	29	30	9	16	10	13	30
AV	15	11	11	11	13	15	12	13	13	14	14	15	13	14	14	14	13	11	11	11	15	14	14	14	13	
PK	43	23	23	26	36	49	28	26	24	24	23	30	23	32	23	27	34	25	40	29	43	37	27	37		49

(06/11/79-RPI)

TEMPERATURE
DEGREE C

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-11	-11	-11	-14	-18	-15	-14	-13	-12	-10	-9	-6	-2	-1	-1	-1	-1	-2	-3	-3	-6	-8	-8	-9	-8	-1
2	-9	-9	-8	-8	-8	-9	-10	-10	-8	-9	-9	-7	-5	-3	-2	-2	-1	-4	-8	-9	-9	-9	-11	-11	-8	-1
3	-13	-15	-16	-17	-17	-18	-18	-19	-17	-14	-10	-4	-3	-3	-2	-2	-3	-4	-8	-11	-11	-10	-13	-12	-11	-2
4	-10	-9	-8	-7	-6	-6	-6	-6	-6	-5	-4	-2	-1	-1	-1	-1	-1	-3	-8	-11	-13	-16	-16	-17	-7	-1
5	-17	-17	-18	-18	-21	-23	-21	-21	-18	-18	-14	-9	-6	-3	-2	-2	-2	-3	-3	-3	-3	-4	-5	-5	-11	-2
6	-4	-6	-6	-7	-10	-9	-9	-11	-12	-9	-3	-1	1	2	2	3	3	2	1	-3	-5	-6	-7	-6	-4	3
7	-4	-4	-3	-1	0	-1	-1	-1	0	1	2	2	3	4	4	4	4	2	1	1	-1	-2	-4	-6	0	4
8	-6	-6	-6	-7	-8	-8	-8	-9	-7	-3	2	4	(RF)	(RF)	(RF)	6	5	3	1	1	0	-1	-2	-3	-2	6
9	-4	-4	-4	-5	-6	-7	-7	-7	-3	-1	4	5	6	6	7	6	6	4	1	-1	-2	-3	-4	-5	-1	7
10	-4	-4	-4	-5	-5	-5	-4	-4	-3	-1	2	7	7	7	8	8	7	7	4	4	3	3	3	3	1	8
11	3	2	1	1	-1	0	0	1	1	3	6	8	9	9	9	9	8	7	4	3	1	1	1	1	4	9
12	2	2	2	2	1	2	2	3	4	5	7	8	9	10	9	9	8	8	6	6	4	4	5	5	5	10
13	6	5	6	7	8	8	8	7	9	9	10	11	11	12	12	12	12	11	9	8	8	7	6	6	9	12
14	6	9	7	4	2	3	3	6	7	9	11	11	11	11	10	9	8	8	7	7	6	6	4	2	7	11
15	1	-1	0	-1	-1	-3	-3	-4	-2	1	4	6	6	7	7	7	7	6	2	2	2	2	1	2	2	7
16	2	2	2	1	-1	-2	-3	-4	-2	0	3	6	7	7	8	8	8	7	6	3	2	2	1	1	3	8
17	1	-1	-1	-2	-2	-1	0	0	0	2	3	3	4	4	4	6	6	3	1	-2	-3	-4	-6	-6	0	6
18	-6	-6	-6	-7	-7	-8	-8	-7	-6	-1	3	4	5	6	6	6	6	5	3	1	-1	-1	-1	-1	-1	6
19	-3	-4	-3	-1	-1	-2	-3	-4	-3	-2	0	3	7	7	6	5	4	3	3	2	2	2	2	2	1	7
20	2	1	1	1	-1	-1	-1	-1	-1	-1	-1	1	2	2	3	3	3	2	-2	-1	-1	-2	-3	-3	0	3
21	-2	-1	-1	2	2	1	1	1	2	3	3	4	4	5	4	4	4	3	3	2	2	2	2	1	2	5
22	1	1	1	-1	-4	-4	-3	-3	-1	-1	-1	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	1
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	2	2	2	3	3	3	1	1	1	-2	-3	-3	-3	( )	3
24	-3	-3	-3	-2	-5	-8	-8	-8	-6	-4	-1	-1	2	3	2	3	2	1	-2	-4	-6	-7	-7	-9	-3	3
25	-8	-8	-9	-9	-9	-9	-9	-9	-8	-6	-3	1	4	7	8	7	7	6	4	1	1	-1	-2	-3	-2	8
26	-4	-7	-7	-7	-6	-6	-6	-5	-4	-3	2	4	6	7	6	4	4	3	3	3	2	2	1	1	0	7
27	1	1	1	1	-1	-1	-1	-1	-2	-1	-1	1	1	2	3	3	4	3	1	-2	-3	-2	-5	-6	0	4
28	-3	-4	-4	-4	-5	-6	-7	-6	-3	3	4	4	5	5	6	6	5	5	1	-1	-1	-1	-1	0	0	6
AV	-3	-4	-4	-4	-5	-5	-5	-5	-4	-2	0	2	4	4	5	5	4	3	1	0	-1	-2	-3	-3	-1	
PK	6	9	7	7	8	8	8	7	9	9	11	11	11	12	12	12	12	11	9	8	8	7	6	6		12

II B-679

(06/11/79-RPI)

TEMPERATURE @ 10M
DEGREE C

C8-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-11	-10	-8	-8	-8	-17	-15	-16	-15	-14	-11	-8	-6	-4	-4	-5	-6	-6	-6	-6	-6	-6	-7	-7	-9	-4
2	-9	-8	-7	-8	-8	-8	-8	-9	-9	-7	-6	-6	-6	-6	-5	-7	-6	-7	-9	-9	-9	-9	-11	-10	-8	-5
3	-10	-11	-12	-13	-13	-14	-13	-15	-14	-13	-10	-8	-7	-7	-7	-7	-7	-9	-10	-11	-11	-11	-10	-11	-11	-7
4	-9	-9	-9	-9	-9	-10	-9	-10	-10	-9	-7	-6	-6	-6	-5	-6	-6	-7	-8	-10	-11	-11	-13	-12	-9	-5
5	-13	-13	-13	-14	-15	-16	-15	-14	-14	-11	-8	-6	-4	-3	-3	-3	-3	-4	-5	-6	-6	-7	-7	-7	-9	-3
6	-7	-7	-9	-9	-9	-9	-8	-9	-9	-7	-4	-2	-1	-1	-1	-1	-1	-1	-2	-4	-4	-5	-5	-5	-5	-1
7	-4	-4	-4	-4	-3	-4	-4	-4	-3	-3	-2	-2	-1	0	1	1	1	-1	-2	-2	-3	-3	-3	-2	-2	1
8	-2	-2	-3	-3	-3	-3	-4	-4	-4	-2	-1	1	2	2	2	3	2	1	-1	-1	-2	-1	-2	-3	-1	3
9	-3	-3	-3	-3	-2	-3	-3	-3	-2	1	1	2	2	3	3	3	2	1	-1	-2	-2	-2	-2	-2	-1	3
10	-3	-4	-4	-4	-4	-3	-3	-3	-3	1	3	4	4	4	5	4	4	3	3	3	3	3	3	3	1	5
11	3	2	2	2	2	2	1	2	2	3	5	6	6	6	6	6	6	3	2	2	0	0	1	2	3	6
12	3	2	2	2	2	2	2	2	2	4	6	7	7	7	7	7	6	5	4	3	4	4	5	5	4	7
13	4	5	6	6	6	6	6	6	7	7	8	9	10	10	10	11	10	9	9	8	8	8	8	7	8	11
14	8	7	7	6	7	7	7	8	8	8	9	8	9	8	7	7	6	5	5	4	3	2	1	1	6	9
15	-1	-1	-1	-2	-2	-3	-3	-3	-2	-1	1	2	3	3	3	3	3	3	1	0	1	0	0	0	0	3
16	-1	-1	-1	-2	-2	-2	-2	-3	-2	0	2	4	4	4	3	3	3	2	1	0	0	0	0	-1	0	4
17	-2	-2	-2	-3	-4	-4	-4	-4	-4	-3	-2	-2	-1	-1	0	0	0	0	-2	-3	-4	-5	-6	-5	-3	0
18	-6	-6	-7	-6	-7	-7	-7	-7	-5	-2	-1	0	1	1	2	2	1	0	-1	-1	-2	-3	-3	-2	-3	2
19	-2	-2	-2	-2	-2	-1	-1	0	0	1	3	3	3	2	1	0	0	-1	-2	-2	-2	-2	-2	-3	-1	3
20	-3	-3	-3	-4	-4	-4	-5	-5	-5	-5	-4	-4	-3	-3	-2	-2	-2	-2	-3	-4	-4	-3	-3	-3	-3	-2
21	-2	-3	-2	-2	-3	-3	-3	-3	-2	-1	-1	0	0	1	1	0	0	-1	-2	-2	-2	-2	-3	-3	-2	1
22	-3	-3	-3	-4	-4	-4	-4	-4	-4	-3	-4	-4	-4	-4	-4	-4	-5	-5	-5	-5	-6	-6	-7	-8	-4	-3
23	-8	-7	-7	-7	-7	-6	-7	-6	-5	-4	-3	-2	-2	-2	-1	-1	-2	-3	-4	-4	-4	-4	-5	-5	-4	-1
24	-6	-6	-6	-6	-7	-8	-8	-8	-7	-6	-5	-4	-3	-3	-2	-3	-2	-3	-5	-6	-7	-7	-7	-7	-5	-2
25	-7	-8	-7	-8	-7	-8	-8	-8	-6	-3	0	1	2	3	3	3	3	2	0	-1	-1	-1	-1	-2	-2	3
26	-3	-3	-3	-4	-5	-5	-4	-3	-3	-1	2	4	3	2	1	1	0	-1	-2	-2	-2	-2	-2	-3	-1	4
27	-3	-3	-3	-4	-4	-5	-5	-5	-5	-5	-4	-4	-3	-3	-2	-1	-1	-1	-1	-3	-4	-3	-5	-5	-3	-1
28	-4	-4	-5	-5	-5	-5	-5	-4	-3	-1	-1	0	0	1	2	2	1	0	-1	-1	-2	-2	-1	0	-2	2
AV	-4	-4	-4	-4	-4	-5	-5	-5	-4	-3	-1	0	0	1	1	1	0	-1	-2	-2	-3	-3	-3	-3	-2	
PK	8	7	7	6	7	7	7	8	8	8	9	9	10	10	10	11	10	9	9	8	8	8	8	7		11

II B-680

(06/11/79-RPI)

TEMPERATURE @ 30M
DEGREE C

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-10	-9	-8	-8	-8	-14	-15	-17	-16	-14	-12	-8	-6	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-8	-9	-6
2	-8	-8	-8	-8	-8	-8	-9	-9	-9	-8	-7	-7	-7	-6	-6	-7	-7	-8	-9	-9	-9	-9	-10	-10	-8	-6
3	-11	-11	-11	-11	-12	-13	-13	-14	-13	-13	-10	-9	-8	-8	-8	-8	-8	-9	-10	-11	-11	-11	-11	-11	-11	-8
4	-10	-10	-10	-10	-10	-10	-10	-11	-11	-10	-8	-7	-7	-7	-6	-6	-7	-8	-9	-10	-11	-11	-12	-12	-9	-6
5	-13	-13	-13	-12	-14	-16	-17	-14	-14	-11	-8	-7	-6	-4	-4	-4	-4	-5	-6	-6	-6	-7	-8	-8	-9	-4
6	-7	-8	-9	-9	-9	-8	-8	-8	-8	-7	-4	-3	-2	-2	-2	-2	-2	-2	-2	-4	-4	-4	-5	-5	-5	-2
7	-4	-5	-5	-4	-4	-4	-5	-5	-4	-3	-3	-2	-2	-1	0	-1	0	-1	-2	-2	-3	-2	-2	-2	-3	0
8	-2	-2	-3	-4	-3	-3	-4	-4	-3	-2	-1	1	1	1	2	2	1	0	0	-1	-1	-1	-2	-3	-1	2
9	-3	-3	-3	-3	-3	-3	-3	-2	-1	-1	1	1	1	2	2	2	2	1	-1	-2	-1	-1	-1	-2	-1	2
10	-2	-3	-3	-3	-3	-3	-3	-3	-2	1	2	3	3	3	4	4	3	2	2	2	2	2	3	2	1	4
11	3	2	2	2	2	2	2	2	2	3	4	4	5	6	6	5	4	3	2	1	1	0	1	2	3	6
12	2	2	2	2	2	2	2	2	2	3	5	6	6	7	6	6	6	4	3	3	3	3	4	4	4	7
13	5	5	6	5	5	5	5	5	7	7	7	8	9	9	9	9	9	9	8	8	7	8	6	7	7	9
14	8	7	7	6	7	7	7	7	7	7	8	8	8	7	7	7	5	4	4	4	4	2	1	0	6	8
15	-1	-1	-1	-2	-2	-2	-3	-3	-3	-1	1	2	2	2	2	2	2	2	1	1	1	1	0	0	0	2
16	-1	-2	-2	-2	-2	-2	-2	-3	-2	-1	1	3	3	3	3	3	3	2	1	0	0	-1	-1	-1	0	3
17	-2	-2	-2	-3	-4	-4	-5	-5	-5	-4	-3	-2	-2	-1	-1	0	0	-1	-3	-3	-4	-5	-5	-5	-3	0
18	-5	-5	-6	-6	-6	-6	-6	-6	-5	-3	-2	-1	0	1	1	1	1	0	-1	-2	-2	-3	-3	-2	-3	1
19	-2	-1	-2	-2	-2	-1	-1	0	0	1	2	2	2	2	1	0	-1	-2	-2	-3	-3	-3	-3	-3	-1	2
20	-3	-4	-4	-4	-4	-5	-5	-5	-6	-6	-5	-4	-4	-3	-3	-2	-2	-3	-3	-4	-4	-4	-4	-3	-4	-2
21	-3	-3	-3	-3	-4	-4	-4	-4	-2	-2	-1	0	0	0	1	-1	0	-1	-2	-2	-3	-3	-3	-4	-2	1
22	-3	-3	-4	-4	-4	-4	-5	-4	-4	-4	-4	-4	-5	-5	-5	-4	-5	-5	-5	-5	-5	-6	-6	-7	-5	-3
23	-8	-7	-7	-6	-7	-6	-7	-6	-6	-4	-3	-3	-2	-2	-2	-2	-3	-3	-4	-4	-4	-4	-5	-6	-5	-2
24	-6	-6	-6	-7	-7	-8	-8	-8	-8	-6	-5	-5	-4	-3	-3	-3	-3	-3	-5	-5	-7	-6	-6	-7	-6	-3
25	-6	-7	-7	-7	-7	-7	-7	-7	-6	-3	-1	1	2	3	3	3	3	1	0	0	-1	-1	-1	-1	-2	3
26	-2	-3	-2	-2	-3	-4	-2	-2	-2	0	1	3	2	1	1	0	-1	-2	-2	-2	-2	-2	-2	-3	-1	3
27	-3	-3	-4	-4	-5	-5	-6	-6	-6	-5	-5	-4	-4	-4	-3	-2	-2	-2	-2	-2	-3	-3	-4	-5	-4	-2
28	-4	-4	-4	-5	-5	-5	-5	-4	-3	-2	-1	-1	0	0	1	1	1	0	-1	-2	-2	-2	-1	-1	-2	1
AV	-4	-4	-4	-4	-4	-5	-5	-5	-4	-3	-2	-1	0	0	0	0	0	-1	-2	-2	-3	-3	-3	-3	-3	
PK	8	7	7	6	7	7	7	7	7	7	8	8	9	9	9	9	9	9	8	8	7	8	8	7		9

(06/11/79-RPI)

TEMPERATURE @ 60M **
DEGREE C

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

* DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-9	-8	-7	-8	-8	-13	-13	-15	-15	-13	-9	-7	-3	-3	-3	-3	-5	-6	-6	-6	-6	-6	-7	-7	-8	-3
2	-8	-8	-7	-8	-8	-8	-8	-8	-8	-7	-6	-5	-6	-5	-5	-6	-6	-7	-8	-8	-9	-9	-9	-10	-7	-5
3	-9	-10	-10	-11	-11	-12	-11	-13	-12	-11	-10	-8	-7	-7	-7	-7	-7	-9	-9	-9	-10	-10	-9	-10	-10	-7
4	-9	-9	-10	-9	-9	-10	-9	-10	-10	-9	-7	-6	-6	-6	-5	-6	-6	-7	-8	-9	-10	-10	-11	-11	-8	-5
5	-11	-11	-11	-11	-12	-14	-13	-12	-12	-8	-7	-5	-4	-3	-3	-4	-3	-4	-5	-5	-4	-6	-7	-7	-8	-3
6	-7	-7	-8	-9	-8	-7	-7	-7	-7	-5	-4	-2	-1	-1	0	-1	-1	-1	-2	-4	-3	-3	-3	-4	-4	0
7	-4	-4	-4	-4	-3	-4	-5	-5	-3	-2	-2	-1	0	1	2	1	1	0	-1	0	-1	-1	-2	-2	-2	2
8	-1	-1	-1	-2	-2	-2	-2	-3	-2	-1	0	1	2	2	3	3	2	1	1	0	-1	0	-1	-2	0	3
9	-2	-1	-2	-2	-1	-2	-2	-2	0	1	1	2	2	4	3	3	2	2	-1	0	0	0	-1	0	0	4
10	-1	-2	-3	-2	-2	-2	-2	-2	0	2	4	5	5	5	5	5	5	3	3	3	3	3	4	3	2	5
11	3	3	3	3	3	3	2	2	3	4	6	6	6	6	6	6	5	3	3	2	2	2	3	4	4	6
12	3	3	3	2	3	3	3	2	2	4	6	7	7	7	7	7	6	5	4	3	4	4	5	5	5	7
13	6	5	6	6	6	6	6	6	7	7	8	9	10	10	10	11	10	10	9	9	8	8	9	8	8	11
14	9	8	8	7	9	8	8	8	8	8	10	9	10	9	8	8	7	5	5	5	4	2	1	1	7	10
15	0	0	1	-1	-1	-1	-1	-1	-1	0	1	2	3	3	4	3	3	3	2	1	2	1	1	1	1	4
16	1	0	0	-1	-1	-1	0	-1	-1	1	2	4	5	4	4	3	3	2	1	1	0	-1	-1	-1	1	5
17	-1	-2	-2	-2	-4	-4	-5	-5	-4	-3	-2	-2	-1	-1	0	0	0	0	-2	-3	-4	-4	-4	-4	-2	0
18	-4	-5	-5	-5	-5	-5	-6	-6	-4	-2	-1	0	1	1	1	2	1	0	-1	-1	-2	-2	-2	-2	-2	2
19	-2	-1	-1	-1	-1	-1	0	0	1	1	2	3	3	2	1	0	-1	-2	-2	-2	-3	-3	-3	-3	0	3
20	-3	-3	-4	-4	-4	-5	-5	-5	-6	-5	-5	-4	-3	-3	-2	-2	-2	-2	-3	-4	-3	-3	-3	-3	-4	-2
21	-3	-3	-2	-2	-3	-4	-4	-3	-2	-2	-1	0	0	0	1	-1	0	-1	-2	-2	-2	-3	-3	-3	-2	1
22	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-5	-4	-4	-4	-5	-5	-5	-5	-5	-5	-6	-6	-4	-3
23	-7	-6	-6	-6	-6	-6	-6	-6	-5	-4	-3	-3	-2	-2	-1	-2	-2	-3	-4	-4	-4	-4	-5	-5	-4	-1
24	-6	-6	-6	-7	-7	-8	-8	-8	-7	-6	-5	-4	-3	-3	-2	-3	-3	-3	-4	-4	-6	-6	-5	-6	-5	-2
25	-6	-6	-7	-6	-6	-6	-7	-6	-5	-3	0	1	2	3	3	3	3	2	1	1	0	0	0	-1	-2	3
26	-1	-1	-1	-1	-2	-2	-1	0	0	0	2	3	3	1	1	0	0	-2	-2	-2	-2	-2	-2	-2	0	3
27	-3	-3	-3	-4	-4	-5	-5	-6	-5	-5	-5	-4	-4	-3	-2	-1	-1	-1	-2	-2	-2	-2	-3	-4	-3	-1
28	-3	-3	-3	-4	-5	-4	-4	-3	-3	-1	-1	0	0	1	2	2	1	0	-1	-2	-2	-2	-1	-1	-1	2
AV	-3	-3	-3	-3	-3	-4	-4	-4	-3	-2	-1	0	1	1	1	1	0	-1	-1	-2	-2	-2	-2	-3	-2	
PK	9	8	8	7	9	8	8	8	8	8	10	9	10	10	10	11	10	10	9	9	8	8	9	8		11

** Computed using Delta Temperature 60-10m and Temperature at 10m

(06/11/79-RPI)

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD42 PERIOD(2/01/79 TO 2/28/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-16	-17	-16	-13	-17	-18	-18	-18	-18	-16	-13	-10	-8	-7	-5	-6	-7	-7	-7	-7	-7	-10	-11	-12	-11
2	-14	-14	-14	-13	-13	-12	-15	-14	-12	-10	-7	-7	-10	-6	-7	-10	-7	-10	-12	-13	-13	-13	-16	-15	-11
3	-16	-17	-18	-20	-21	-22	-21	-23	-21	-16	-12	-10	-7	-7	-7	-7	-7	-11	-13	-15	-16	-15	-16	-16	-14
4	-15	-15	-14	-13	-12	-13	-13	-13	-13	-11	-8	-5	-7	-7	-6	-7	-7	-9	-12	-16	-17	-19	-20	-21	-11
5	-21	-22	-22	-22	-23	-23	-23	-23	-20	-17	-12	-6	-2	-3	-4	-2	-5	-7	-7	-9	-10	-10	-10	-10	-12
6	-10	-10	-12	-13	-13	-13	-14	-14	-13	-9	-6	1	-4	-3	-3	-2	-2	-4	-4	-6	-9	-10	-11	-11	-7
7	-11	-9	-9	-8	-6	-6	-7	-7	-6	-6	-4	-3	-2	-1	-1	-1	-1	-2	-4	-6	-6	-7	-7	-8	-4
8	-10	-10	-10	-12	-12	-13	-13	-13	-12	-7	-2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
21	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
22	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
23	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
24	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 179

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD56 PERIOD(2/01/79 TO 2/28/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	3	2	0	-3	-4	-5	-6	-6	-8	
9	-10	-10	-10	-12	-12	-12	-13	-13	-11	-5	0	2	3	4	4	4	4	0	-3	-6	-6	-8	-10	-11	-4
10	-12	-11	-12	-12	-12	-11	-11	-11	-10	-5	2	3	4	5	6	6	4	2	-1	-1	-2	-3	-3	-3	-3
11	-4	-4	-5	-5	-5	-5	-6	-5	-5	-2	3	8	7	8	7	7	6	2	-2	-4	-5	-5	-5	-5	0
12	-6	-4	-6	-5	-5	-5	-5	-5	-3	0	3	6	7	7	7	6	5	2	0	0	-2	-1	-2	0	0
13	-6	-4	-6	-5	-5	0	1	1	3	4	6	6	8	9	9	9	9	7	3	2	3	3	1	0	2
14	0	1	0	0	-3	-3	-2	-2	0	2	5	6	8	7	8	6	4	2	0	0	0	0	-2	-6	1
15	-6	-7	-7	-7	-9	-10	-10	-12	-9	-5	-2	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
16	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
17	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
18	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
19	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
20	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
21	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	0	0	2	2	0	0	0	-1	-1	-1	-1	-1	-3	
22	-3	-3	-5	-7	-8	-8	-7	-5	-3	-4	-3	-4	-2	-3	-1	-5	-5	-5	-5	-5	-5	-8	-11	-11	-4
23	-12	-13	-14	-14	-14	-13	-13	-13	-11	-5	-2	-1	0	1	2	2	0	-3	-3	-4	-7	-7	-7	-7	-6
24	-7	-7	-7	-7	-7	-11	-12	-12	-7	0	3	-1	-1	0	1	0	1	-2	-6	-10	-11	-12	-13	-14	-5
25	-14	-14	-15	-14	-14	-14	-14	-14	-11	-5	3	1	3	4	4	6	4	3	0	-3	-3	-5	-6	-7	-4
26	-9	-11	-11	-11	-11	-11	-11	-10	-7	-6	0	6	3	4	0	0	0	0	-1	-1	-1	-1	-3	-4	-3
27	-4	-5	-4	-4	-4	-5	-5	-5	-5	-5	-5	-3	-1	0	0	0	0	-1	-3	-5	-7	-7	-9	-11	-3
28	-8	-8	-11	-11	-11	-11	-12	-12	-8	-1	2	2	4	4	3	4	3	2	-3	-5	-5	-6	-6	-5	-3
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 345

DELTA TEMPERATURE 60-10M
DEGREE C*100

CB-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	175	164	86	56	47	339	222	78	19	69	175	83	222	167	192	181	81	6	-11	-8	-3	3	6	25	99	339
2	178	72	28	67	17	25	25	75	75	3	14	50	58	36	33	50	11	11	50	50	25	28	122	28	47	178
3	75	114	172	256	222	144	239	194	164	167	36	28	25	22	22	-6	-22	8	67	106	117	86	64	100	100	256
4	64	0	-11	-7	4	3	-6	25	36	19	14	22	6	3	3	-6	-3	28	58	83	75	53	136	94	29	136
5	158	193	222	289	319	227	222	194	236	222	117	100	53	17	6	-19	0	21	28	69	117	39	11	28	122	319
6	74	72	108	94	133	172	156	214	236	164	31	22	14	8	22	0	-4	0	22	78	108	175	156	128	91	236
7	28	8	19	6	-6	14	-6	-6	14	44	53	47	67	97	92	36	0	19	58	122	239	164	56	75	52	239
8	56	97	164	117	100	108	206	131	183	172	67	42	28	44	39	17	-3	56	142	92	78	114	133	114	96	206
9	122	172	106	114	106	97	92	117	122	22	14	14	28	100	47	28	14	44	50	178	208	139	142	163	94	208
10	189	200	186	206	228	158	119	178	247	86	58	28	28	44	22	11	11	6	19	14	17	8	36	50	90	247
11	50	89	42	81	42	42	86	75	92	81	78	44	36	28	17	6	-3	19	56	86	197	178	175	133	72	197
12	75	117	97	28	36	69	50	25	25	56	22	28	19	28	11	8	33	42	22	14	22	31	28	31	38	117
13	117	25	39	25	11	33	58	39	33	31	50	56	33	44	28	28	19	19	28	56	72	39	83	100	44	117
14	78	83	78	125	150	147	50	31	28	25	111	114	106	78	33	72	67	14	28	28	22	-6	31	42	64	150
15	42	78	128	150	167	194	222	236	158	97	39	31	28	28	25	14	0	14	122	136	133	128	122	117	100	236
16	169	106	67	86	78	156	144	183	164	69	28	22	33	1	4	-12	-32	-31	-12	28	1	-21	-23	-6	50	183
17	53	64	66	97	-10	-22	-38	-34	-22	-14	-9	-19	-15	-7	-11	-14	-22	-6	20	21	53	87	115	148	20	148
18	193	140	147	126	113	134	177	153	132	-4	5	12	-7	-11	-12	-19	-25	-29	-7	20	40	111	92	28	63	193
19	44	77	143	101	31	39	66	78	82	6	-18	-4	4	-1	-24	-28	-40	-38	-26	-27	-26	-16	-12	-23	16	143
20	-33	-31	-33	-29	-18	-31	-37	-34	-31	-26	-20	-18	-6	1	-8	-17	-25	-18	34	42	22	-7	-2	-9	-14	42
21	-10	-13	-9	-29	-26	-20	-21	-18	-27	-30	-29	-35	-45	-43	-33	-40	-35	-30	-22	-23	-18	-28	-32	-21	-26	-9
22	-11	-1	8	6	1	47	30	39	20	-25	-26	-21	-26	-19	16	-29	-1	-31	-40	-9	72	146	122	210	20	210
23	112	117	60	65	73	58	69	29	5	-15	-1	-18	-10	-16	-18	-15	-28	-13	-17	13	31	47	-3	-11	21	117
24	-7	-15	-21	-31	-9	31	48	26	5	9	-6	5	-10	-5	-15	-18	-15	-20	63	231	106	101	140	169	32	231
25	96	172	69	140	140	150	145	184	125	23	29	31	9	24	8	-4	-23	5	84	161	74	95	63	129	80	184
26	177	138	179	251	363	302	242	299	285	68	21	-7	-8	-20	-23	-24	-32	-29	-13	21	20	-1	-16	15	92	363
27	50	-8	-22	-20	-18	-9	-23	-30	-29	-33	-28	-26	-22	-11	-11	-21	-36	-35	-15	80	129	106	122	120	9	129
28	52	79	168	99	54	107	129	83	-5	-7	-8	19	-8	-3	52	36	-18	-25	-6	-26	13	19	5	-21	33	168
AV	85	83	82	88	84	97	95	92	85	46	29	23	23	23	19	8	-5	0	28	58	69	67	67	71	55	
PK	193	200	222	289	363	339	242	299	285	222	175	114	222	167	192	181	81	56	142	231	239	178	175	210		363

(06/11/79-RPI)

RELATIVE HUMIDITY @ 3M
PERCENT

C9-TRACT
TRAILER AA23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	82	84	88	89	87	84	88	91	91	91	89	32	74	72	66	66	67	68	74	76	76	76	77	79	78	91
2	82	84	92	96	90	91	91	92	93	( )	( )	68	75	75	59	79	71	68	73	79	79	80	85	87	81	96
3	90	94	94	95	95	93	92	91	90	94	77	56	51	40	44	49	52	56	63	66	67	69	65	60	73	95
4	66	66	62	62	64	68	78	80	68	91	87	63	55	51	52	50	49	51	51	64	75	85	92	96	69	96
5	97	98	98	98	98	97	96	96	96	96	88	67	43	39	33	31	31	34	38	54	57	64	66	70	70	98
6	78	81	85	88	91	93	96	96	95	93	73	60	49	45	45	51	45	45	48	60	68	74	89	84	72	96
7	80	72	70	72	72	74	76	78	81	80	77	76	74	71	67	62	62	62	63	68	70	74	77	80	72	81
8	82	82	82	85	88	90	92	94	90	88	71	51	49	49	51	46	48	49	56	64	68	68	69	69	70	94
9	74	77	78	75	77	77	77	74	74	72	69	59	58	58	57	56	56	58	65	68	74	77	77	77	69	73
10	77	80	83	84	84	84	84	84	78	65	49	48	47	47	47	45	46	47	49	50	50	52	53	53	62	84
11	50	52	52	52	52	52	52	55	54	51	45	42	43	42	43	44	45	48	50	51	55	60	61	61	51	61
12	58	57	59	58	57	58	60	59	57	57	47	43	41	40	41	43	43	45	51	52	52	51	52	52	51	60
13	57	58	51	51	55	51	49	47	46	42	40	39	38	35	35	35	34	33	36	37	38	38	35	36	42	58
14	37	36	40	39	40	42	44	42	39	44	41	38	46	45	44	47	51	68	72	75	72	73	75	75	51	75
15	75	75	75	76	80	80	80	82	82	67	58	51	49	49	48	48	47	50	55	67	72	75	76	78	66	82
16	77	79	81	80	79	80	82	85	88	81	66	56	( )	( )	53	56	56	60	66	70	75	76	78	78	73	88
17	80	84	86	87	89	93	94	93	93	88	70	55	46	45	43	42	41	42	58	63	67	74	79	80	71	94
18	83	70	68	71	73	73	75	75	76	67	55	51	48	46	46	46	45	46	48	50	54	56	60	60	60	83
19	58	57	59	61	61	60	60	59	58	58	58	55	55	56	61	70	77	84	97	98	98	98	98	98	71	98
20	98	98	98	98	98	98	98	95	92	87	84	73	67	61	60	59	54	56	56	58	64	65	65	66	77	98
21	65	62	64	68	69	74	83	86	88	83	76	74	71	72	70	70	83	83	98	75	83	81	77	89	77	93
22	93	88	82	80	84	82	85	88	90	88	85	84	91	93	93	92	85	95	95	97	97	92	91	91	89	97
23	90	90	92	92	92	91	91	91	91	( )	( )	( )	( )	( )	( )	65	67	72	88	93	94	96	95	95	83	96
24	94	96	97	97	97	95	93	95	96	97	90	68	54	58	49	46	55	50	51	62	74	82	85	86	78	97
25	85	82	83	85	85	85	81	81	74	64	52	42	34	35	35	29	32	33	43	47	50	51	54	55	58	85
26	54	52	53	55	61	69	74	76	76	70	67	49	43	51	66	66	72	78	92	95	95	95	96	96	71	96
27	95	99	99	98	98	98	98	98	98	98	97	96	91	84	82	75	69	69	71	72	82	85	87	87	89	99
28	90	90	88	85	86	87	87	88	85	75	63	60	57	55	55	52	49	51	54	60	63	66	68	68	70	90
AV	77	77	77	78	79	79	81	81	81	76	68	58	56	54	54	54	55	57	63	67	70	73	74	75	70	
PK	98	99	99	98	98	98	98	98	98	98	97	96	91	93	93	92	85	95	98	98	98	98	98	98		99

(06/11/79-RPI)

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	0	0	0	0	0	0	0	0	5	14	22	34	44	71	64	43	14	2	0	0	0	0	0	0	313	71
2	0	0	0	0	0	0	0	0	7	16	25	28	31	51	39	22	15	3	0	0	0	0	0	0	237	51
3	0	0	0	0	0	0	0	3	17	36	51	59	57	53	43	31	17	4	0	0	0	0	0	0	371	59
4	0	0	0	0	0	0	0	0	6	25	50	70	55	45	36	39	20	4	0	0	0	0	0	0	350	70
5	0	0	0	0	0	0	0	7	22	32	43	53	46	52	35	25	12	1	0	0	0	0	0	0	328	53
6	0	0	0	0	0	0	0	4	14	33	35	52	55	56	49	34	17	1	0	0	0	0	0	0	350	56
7	0	0	0	0	0	0	0	1	8	16	16	23	32	38	27	25	16	2	0	0	0	0	0	0	204	38
8	0	0	0	0	0	0	0	2	15	33	32	42	62	54	44	26	13	1	0	0	0	0	0	0	324	62
9	0	0	0	0	0	0	0	5	10	19	33	34	37	53	46	34	15	3	0	0	0	0	0	0	289	53
10	0	0	0	0	0	0	0	3	15	32	44	52	51	46	37	25	10	3	0	0	0	0	0	0	318	52
11	0	0	0	0	0	0	0	2	7	17	39	32	49	46	38	27	14	3	0	0	0	0	0	0	273	48
12	0	0	0	0	0	0	0	1	8	21	38	44	38	45	25	17	15	4	0	0	0	0	0	0	256	45
13	0	0	0	0	0	0	0	3	10	15	26	45	36	37	31	32	20	4	0	0	0	0	0	0	259	45
14	0	0	0	0	0	0	0	0	2	15	44	49	56	64	56	34	11	1	0	0	0	0	0	0	332	64
15	0	0	0	0	0	0	0	5	18	34	49	57	59	49	45	32	14	4	0	0	0	0	0	0	366	59
16	0	0	0	0	0	0	0	5	18	32	49	57	60	61	35	30	18	3	0	0	0	0	0	0	367	61
17	0	0	0	0	0	0	0	1	16	32	46	55	58	56	48	36	20	4	0	0	0	0	0	0	371	58
18	0	0	0	0	0	0	0	4	18	33	46	55	59	54	46	30	12	2	0	0	0	0	0	0	357	59
19	0	0	0	0	0	0	0	2	8	16	25	31	23	25	22	14	5	1	0	0	0	0	0	0	171	31
20	0	0	0	0	0	0	0	0	2	6	10	10	13	13	13	12	12	3	0	0	0	0	0	0	93	13
21	0	0	0	0	0	0	0	2	9	13	18	37	27	26	32	7	7	1	0	0	0	0	0	0	179	37
22	0	0	0	0	0	0	0	2	15	15	8	9	11	9	8	6	4	1	0	0	0	0	0	0	88	15
23	0	0	0	0	0	0	0	2	6	20	25	24	37	37	48	33	8	1	0	0	0	0	0	0	240	48
24	0	0	0	0	0	0	0	2	8	21	34	42	28	31	23	29	23	7	0	0	0	0	0	0	248	42
25	0	0	0	0	0	0	0	5	19	37	53	52	61	62	50	32	20	4	0	0	0	0	0	0	395	62
26	0	0	0	0	0	0	0	3	8	8	36	31	28	27	14	11	6	1	0	0	0	0	0	0	173	36
27	0	0	0	0	0	0	0	1	4	8	10	15	15	15	26	11	6	2	0	0	0	0	0	0	112	26
28	0	0	0	0	0	0	0	5	16	41	47	65	41	36	41	34	21	6	0	0	0	0	0	0	353	65
TL	0	0	0	0	0	0	0	68	311	640	955	1158	1165	1213	1019	731	384	75	0	0	0	0	0	0	7718	
PK	0	0	0	0	0	0	0	7	22	41	53	70	62	71	64	43	23	7	0	0	0	0	0	0		71

(06/11/79-RPI)

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER AB23
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	776	776	775	775	775	775	775	775	775	775	775	775	775	774	774	774	775	775	775	775	775	775	775	775	775	776
2	775	775	776	776	776	776	776	776	777	777	777	778	777	777	777	777	778	778	779	779	780	780	781	781	777	781
3	782	782	782	782	783	783	783	784	784	784	784	785	784	784	783	783	783	783	783	783	783	783	783	783	783	785
4	783	782	783	783	783	783	783	783	784	784	784	784	784	784	783	784	784	784	785	785	785	785	786	786	784	786
5	785	785	785	785	784	785	784	784	784	784	784	783	782	781	781	781	781	781	781	780	780	780	780	780	783	785
6	780	780	780	780	780	781	781	781	782	782	782	782	782	782	782	782	782	782	783	783	783	783	783	783	782	783
7	783	783	783	782	782	781	781	781	782	782	781	781	781	780	780	780	780	780	781	781	782	782	782	783	781	783
8	783	784	784	785	785	786	787	787	788	788	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789	789
9	789	788	788	788	788	788	788	788	788	788	788	788	788	787	787	786	786	787	787	787	787	787	788	788	788	789
10	788	787	787	787	787	787	787	788	788	788	788	788	788	788	787	787	787	787	787	787	787	787	787	787	787	788
11	787	786	786	786	786	786	786	786	787	787	787	788	788	788	787	788	788	788	788	788	788	788	788	787	787	788
12	788	788	788	788	788	789	789	788	788	788	788	788	787	787	787	787	787	786	787	787	788	787	787	787	788	789
13	787	787	786	786	786	785	785	785	785	785	784	784	784	784	783	783	783	783	782	782	782	782	782	782	784	787
14	781	781	780	780	780	780	780	779	779	779	778	777	775	775	775	775	776	776	777	777	778	779	779	780	778	781
15	781	781	782	782	782	783	783	783	783	784	784	784	783	783	782	782	782	782	783	783	783	783	783	783	783	784
16	783	783	783	783	782	782	783	783	783	783	782	782	782	782	782	781	781	781	782	782	782	782	782	782	782	783
17	782	783	783	783	784	784	785	786	786	787	787	788	788	787	787	787	787	788	788	789	789	789	789	786	786	789
18	789	788	788	788	788	788	788	788	788	788	788	788	787	787	786	786	785	785	785	785	784	784	784	783	787	789
19	783	783	783	782	782	782	781	781	781	781	781	781	780	780	779	779	779	779	779	779	779	779	779	779	780	783
20	779	780	780	780	781	781	781	782	782	783	783	783	782	782	782	781	781	781	781	781	781	781	780	780	781	783
21	780	779	779	778	778	778	777	776	776	775	775	774	774	772	772	772	771	771	771	771	772	772	773	773	774	780
22	773	773	773	773	773	773	773	773	774	774	774	774	774	775	775	775	776	776	777	777	778	778	778	779	775	779
23	779	779	779	779	778	778	778	779	779	779	778	778	778	777	777	777	778	778	778	779	779	780	780	780	778	781
24	781	782	783	783	784	785	786	787	788	788	789	790	790	790	790	790	791	791	792	792	793	793	793	793	788	793
25	793	793	793	793	793	793	793	793	793	793	792	792	791	791	790	790	789	789	789	789	788	788	787	787	791	793
26	787	786	786	785	785	784	784	783	783	783	783	782	782	781	780	780	780	780	779	779	779	779	779	779	782	787
27	779	779	779	779	779	779	779	780	781	781	781	781	782	782	782	782	782	782	782	783	783	783	783	783	781	783
28	783	783	783	782	782	782	782	782	782	782	782	782	781	781	780	780	780	780	780	780	780	780	779	779	781	783
AV	783	783	783	783	783	783	783	783	783	783	783	783	783	782	782	782	782	782	782	783	783	783	783	783	783	
PK	793	793	793	793	793	793	793	793	793	793	792	792	791	791	790	790	791	791	792	792	793	793	793	793		793

II B-688

(06/11/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER AB20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1						(TR)	3	3	3	3	(TR)	13												(TR)	23	13
2	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	3	10															15	10
3																								( )		
4																								( )		
5																								( )		
6																								( )		
7																								( )		
8																								( )		
9				(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3													3	3
10																								( )		
11																								( )		
12																								( )		
13																								( )		
14																								( )		
15																								( )		
16																								( )		
17																								( )		
18																								( )		
19																		(TR)	3	3	3	3	(TR)	3	13	3
20	8	8	8	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3														25	8
21																	(TR)	3							3	3
22										(TR)	15	15	8	15	3	8	8	8	(TR)						79	15
23		(TR)	(TR)	3	(TR)	(TR)	3	5	8	15								(TR)	5						38	15
24	(TR)	8	(TR)	3	(TR)	(TR)	(TR)	3	(TR)	3	(TR)	3													18	8
25									(TR)	(TR)	(TR)	3													3	3
26																(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3
27	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	3											5	3
28								(TR)	(TR)	(TR)	(TR)	3													3	3
TL	8	15	8	5	3	( )	5	13	13	30	18	38	8	18	3	8	10	10	8	3	3	3	( )	3	229	
PK	8	8	8	3	3		3	5	8	15	15	15	8	15	3	8	8	8	5	3	3	3		3		15

(06/11/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER A823
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1									5	(TR)	(TR)	(TR)	10	(TR)											15	10
2																									( )	
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10																									( )	
11																									( )	
12																									( )	
13																									( )	
14																									( )	
15																									( )	
16																									( )	
17																									( )	
18																									( )	
19																		(TR)	3	3	3	(TR)	3	5	5	20	5
20	5	5	3			(TR)	(TR)	3	(TR)										(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	15	5
21	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	3	(TR)	3	(TR)	(TR)	3	(TR)		13	3
22										8	13	10		3	10	3	8	3							56	13
23																				(TR)	(TR)	(TR)	3	(TR)	3	3
24	(TR)	(TR)	3						(TR)	20	5														28	20
25																									( )	
26																			5	(TR)	(TR)	(TR)	(TR)	(TR)	5	5
27	(TR)	(TR)	(TR)	3																					3	3
28																									( )	
TL	5	5	5	3	( )	3	( )	3	5	28	18	13	10	3	10	3	10	5	10	3	( )	5	8	5	157	
PK	5	5	3	3		3		3	5	20	13	10	10	3	10	3	8	3	5	3		3	5	5		20

II B-690

(06/11/79-RPI)

INVERSION HEIGHT
METERS

CB-TRACT
TRAILER AC20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	380	340	340	340	400	400	360	360	370	360	360	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	140	180	260	220	260	306	400
2	300	380	380	320	280	270	300	300	260	250	240	200	120	100	(NV)	(NV)	(NV)	60	160	140	120	180	240	240	239	380
3	260	300	340	320	360	360	360	340	300	280	200	60	(NV)	(NV)	(NV)	(NV)	(NV)	100	300	300	280	340	340	300	286	360
4	320	200	180	200	400	440	360	260	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	280	320	360	320	340	360	286	440
5	380	340	300	300	340	400	360	380	380	360	380	200	180	190	160	200	180	180	300	300	280	220	220	260	283	400
6	300	300	360	370	400	300	300	280	300	240	240	100	(NV)	(NV)	(NV)	(NV)	(NV)	100	260	360	300	300	340	440	294	440
7	500	480	460	460	460	540	660	740	600	540	400	340	(NV)	(NV)	(NV)	(NV)	(NV)	500	500	440	460	460	400	360	489	740
8	300	400	450	360	340	340	300	320	320	300	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	400	410	400	400	460	480	349	430
9	480	460	420	440	340	340	400	340	290	240	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	420	420	420	480	480	480	391	480
10	460	460	540	580	500	480	480	520	500	400	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	300	260	220	260	300	260	379	580
11	280	280	280	270	280	280	280	270	260	260	180	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	540	580	440	320	320	320	308	580
12	560	540	520	460	500	500	460	500	600	500	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	360	660	600	620	600	560	560	522	660
13	620	620	620	680	600	520	400	300	300	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	300	300	400	440	380	300	419	680
14	240	280	320	360	300	300	400	380	360	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	340	340	380	340	300	360	420	336	420
15	260	260	360	360	460	400	400	360	380	200	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	340	400	340	360	320	300	329	460
16	400	400	380	360	300	320	320	440	400	200	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	200	200	300	300	300	320	258	440
17	300	340	260	260	380	340	200	80	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	290	400	410	360	340	360	330	310	410
18	340	350	350	360	340	310	310	270	150	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	240	310	340	370	370	370	380	323	380
19	290	250	300	250	300	340	390	370	380	340	200	(NV)	(NV)	(NV)	(NV)	(NV)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	390
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	200	300	360	340	340	360	( )	360
21	300	160	240	300	360	440	500	540	440	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	400	200	360	370	400	500	500	365	540
22	500	300	220	300	340	300	380	460	400	200	100	(NV)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	500
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	500	200	300	280	320	300	280	( )	500
24	280	280	240	180	200	250	260	240	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	300	420	440	440	360	360	283	440
25	320	260	280	260	280	280	240	260	380	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	240	280	300	280	300	240	275	380
26	340	360	340	360	350	300	280	280	280	300	260	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	200	300	340	140	200	275	360
27	420	340	400	440	500	500	500	510	520	400	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	300	340	340	360	395	520
28	300	360	460	500	440	400	360	300	240	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	600	600	540	500	400	420	410	600
AV	363	348	359	361	375	371	368	362	348	304	230	( )	( )	( )	( )	( )	( )	210	319	348	351	354	346	350	339	
PK	620	620	620	680	600	540	660	740	600	540	400	340	180	190	160	200	180	500	660	600	620	600	560	560		740

(06/11/79-RPI)

STABILITY CLASS @ 50M
0=STB 1=UNST

CB-TRACT
TRAILER AC20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
PV	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0

(06/11/79-RPI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CB-TRACT
TRAILER AC20
FEB 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
4	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
17	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
20	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	0	0	0	0	0	1
21	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	0	0	0	0	0	0	0
24	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
PV	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0

(06/11/79-RPI)

STABILITY CLASS USING DT/DZ
DT 60-10M
WS 10M

CB-TRACT
TRAILER 23
FEB 1979
OCCIDENTAL OIL SHALE, INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE
1	F	F	F	E	E	F	F	F	E	E	F	D	D	D	D	D	D	D	D	D	E	E	E	E	E
2	F	E	E	E	E	E	E	E	E	E	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E
3	E	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	F	F	F	E	F	F
4	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E	F	F	E
5	( )	( )	F	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	F	F	E	E	F
6	E	E	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F
7	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	F	F	F	E	E	E
8	E	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	F	F	E	F	F	F
9	F	F	F	E	E	E	E	E	F	D	E	E	D	D	D	D	E	E	E	F	F	F	F	F	E
10	F	F	F	F	F	F	F	F	F	E	E	D	D	D	E	D	E	E	E	E	E	E	E	E	E
11	E	F	E	E	E	E	F	E	F	F	E	D	E	E	E	E	E	E	E	F	F	F	F	F	E
12	F	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	E	E	E	E	D	E	E
13	F	D	D	D	E	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	F	F	E
14	E	E	F	F	F	F	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E
15	E	E	F	E	F	F	F	F	F	F	E	E	E	E	E	E	E	F	F	F	F	F	F	F	F
16	F	F	E	F	F	F	F	F	F	E	E	E	E	E	E	E	D	D	F	E	E	E	E	E	E
17	E	E	E	F	E	E	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	F	E
18	F	F	F	F	F	F	F	F	F	E	E	E	E	F	E	E	E	D	E	E	E	F	F	E	E
19	E	E	E	E	E	E	D	D	D	D	E	E	D	D	D	D	D	D	E	D	E	E	E	( )	E
20	D	D	D	D	E	D	D	D	D	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
21	E	E	E	D	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
22	D	E	E	E	E	E	E	E	E	E	D	E	E	E	F	D	E	D	D	E	E	E	E	F	E
23	F	E	E	E	E	E	E	E	E	D	E	D	E	D	D	E	D	E	E	E	E	E	E	E	E
24	E	E	E	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	F	F	F	E
25	F	F	E	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	E	F	E	F	E	F	E
26	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	D	D	E	E	E	E	E	E	E
27	E	E	E	E	E	E	E	E	D	D	D	D	E	E	E	E	D	D	E	F	F	F	F	F	E
28	E	F	F	F	E	F	F	E	E	E	E	E	E	E	D	D	D	E	E	E	E	F	E	E	E
AVE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	1	2	2	3	3	2	2	2	2	0	3	3	3	1	0	2	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	2	8	7	14	110	142	108	27	24	7	8	7	9	46	19	2	21 :	561
TOTAL :	2	8	7	14	110	142	108	27	24	7	8	7	9	46	19	2	21	561
MEAN CONC.	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	4	0	2	1	1	2	2	1	1	1	1	1	2	2	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	20	16	13 :	666
TOTAL :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	20	16	13	666
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	1	3	3	13	9	5	3	9	9	0	5	5	5	3	1	3	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	2	8	7	18	112	149	111	28	26	7	8	7	10	49	19	2	22 :	585
TOTAL :	2	8	7	18	113	149	111	28	26	7	8	7	10	49	19	2	22	586
MEAN CONC.	0	0	1	0	0	0	0	0	1	2	0	1	2	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
MAX	1	11	0	3	2	2	1	2	2	2	2	2	4	6	7	1	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	18	15	12	26	42	43	38	56	69	160	67	27	15	28	20	16	13 :	665
TOTAL :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	20	16	13	666
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	1	3	1	11	7	5	1	5	5	0	0	0	1	1	1	3	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0 :	1
LT 10. :	2	8	7	18	112	149	111	28	26	7	8	7	10	49	19	2	22 :	585
TOTAL :	2	8	7	18	113	149	111	28	26	7	8	7	10	49	19	2	22	586
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	1	3	0	1	1	1	1	1	1	1	1	0	2	4	3	2	1	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	20	16	13 :	666
TOTAL :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	20	16	13	666
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	39	74	76	107	147	117	98	107	156	111	58	107	84	88	74	80	96	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0 :	2
120. - 140. :	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0 :	1
100. - 120. :	0	0	0	1	0	4	0	2	1	1	0	2	0	0	0	0	0 :	11
80. - 100. :	0	0	0	1	8	13	12	1	6	0	0	0	1	6	0	1	1 :	50
60. - 80. :	0	2	2	3	14	15	28	11	8	5	0	3	1	8	3	0	7 :	110
40. - 60. :	0	3	3	5	53	74	57	12	10	1	5	1	11	16	12	3	7 :	273
20. - 40. :	3	3	3	10	38	47	20	5	3	1	5	1	4	21	3	1	5 :	173
LT 20. :	0	0	1	1	6	9	1	0	0	0	0	0	2	3	3	0	2 :	28
TOTAL :	3	8	9	21	121	162	118	31	29	8	10	7	19	54	21	5	22	648
MEAN CONC.	38	48	44	49	49	50	56	61	70	66	42	71	43	49	44	48	50	52

0 = NO OBSERVATIONS

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	99	102	87	96	98	106	104	114	118	107	104	101	98	96	101	98	98	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	0	2	0	0	0	2	3	3	6	11	6	1	0	0	1	0	0 :	35
80. - 100. :	18	12	8	23	41	38	33	50	63	148	60	23	14	22	18	16	12 :	599
60. - 80. :	1	3	4	3	1	3	2	4	1	1	1	3	1	6	2	0	1 :	37
40. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	19	17	12	26	42	43	38	57	70	160	67	27	15	28	21	16	13	671
MEAN CONC.	87	86	81	86	89	90	91	90	92	91	91	88	88	84	88	88	87	89

0 = NO OBSERVATIONS

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	114	172	57	114	172	344	229	114	57	57	57	114	0	229	57	0	344	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	3	8	9	21	120	162	118	31	29	8	10	7	17	53	21	5	22 :	644
TOTAL :	3	8	9	21	120	162	118	31	29	8	10	7	17	53	21	5	22	644
MEAN CONC.	57	43	6	13	23	23	46	22	3	7	5	16	0	20	10	0	52	25

0 = NO OBSERVATIONS

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	1808	1255	536	1688	417	400	714	412	444	405	854	383	452	767	561	569	291	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
1500. -1750. :	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
1250. -1500. :	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	1
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	18	16	12	25	42	43	38	57	70	160	65	26	15	28	20	16	13 :	664
TOTAL :	19	17	12	26	42	43	38	57	70	160	65	26	15	28	20	16	13	667
MEAN CONC.	227	180	149	163	84	131	109	63	117	76	106	147	156	245	226	121	35	116

0 = NO OBSERVATIONS

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

SULFUR DIOXIDE (SO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	21	16	13 :	667
TOTAL :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	21	16	13	667
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/12/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

HYDROGEN SULFIDE (H2S) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(2 /01/79 TO 2 /28/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	2	2	2	1	0	0	2	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	21	16	13 :	667
TOTAL :	18	16	12	26	42	43	38	56	69	160	67	27	15	28	21	16	13	667
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/12/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB20 PERIOD(2 /01/79 TO 2 /28/79)

WIND SPEED MAX METERS/SEC		WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		2	1	1	2	5	6	5	4	4	4	3	4	5	4	2	2	3	
GT	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. -	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
5. -	8. :	0	0	0	0	1	1	7	0	0	0	0	0	1	0	0	0	0 :	10
3. -	5. :	0	0	0	0	7	19	64	14	11	4	3	4	5	6	0	0	1 :	138
1. -	3. :	1	2	2	6	58	106	46	15	17	4	7	3	12	35	9	2	9 :	334
LT	1. :	2	4	6	12	49	36	1	2	1	0	0	0	1	13	12	3	12 :	154
TOTAL	:	3	6	8	18	115	162	118	31	29	8	10	7	19	54	21	5	22	636
PERCENT		0.	1.	1.	3.	18.	25.	19.	5.	5.	1.	2.	1.	3.	8.	3.	1.	3.	100.

0 = NO OBSERVATIONS

(06/12/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(2 /01/79 TO 2 /28/79)

WIND SPEED	WIND DIRECTION																	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
MAX METERS/SEC	3	2	2	2	4	3	5	9	9	13	10	8	3	3	3	4	3	
GT 11. :	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0 :	2
8. - 11. :	0	0	0	0	0	0	0	4	3	10	6	1	0	0	0	0	0 :	24
5. - 8. :	0	0	0	0	0	0	1	1	14	35	15	1	0	0	0	0	0 :	67
3. - 5. :	1	0	0	0	1	1	5	14	25	64	23	5	2	3	3	3	1 :	151
1. - 3. :	9	8	5	16	33	37	27	36	25	43	22	18	10	18	14	11	5 :	337
LT 1. :	9	9	7	10	8	5	5	2	3	6	1	2	3	7	4	2	4 :	87
TOTAL :	19	17	12	26	42	43	38	57	70	160	67	27	15	28	21	16	10	668
PERCENT	3.	3.	2.	4.	6.	6.	6.	9.	10.	24.	10.	4.	2.	4.	3.	2.	1.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

30 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(2 /01/79 TO 2 /28/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	0	0	0	0	3	0	6	12	11	10	7	0	0	0	0	0	0	
GT 11. :	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0 :	4
8. - 11. :	0	0	0	0	0	0	0	0	4	3	0	0	0	0	0	0	0 :	7
5. - 8. :	0	0	0	0	0	0	1	1	5	9	3	0	0	0	0	0	0 :	19
3. - 5. :	0	0	0	0	1	0	1	1	5	10	0	0	0	0	0	0	0 :	18
1. - 3. :	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0 :	1
LT 1. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	0	0	0	0	1	0	2	5	15	23	3	0	0	0	0	0	0	49
PERCENT	0.	0.	0.	0.	2.	0.	4.	10.	31.	47.	6.	0.	0.	0.	0.	0.	0.	100.

0 = NO OBSERVATIONS

(06/12/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

60 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(2 /01/79 TO 2 /28/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	3	3	2	2	5	3	5	9	10	15	11	11	5	5	3	4	4	
GT 11. :	0	0	0	0	0	0	0	0	0	7	2	1	0	0	0	0	0 :	10
8. - 11. :	0	0	0	0	0	0	0	1	7	8	25	3	0	0	0	0	0 :	44
5. - 8. :	0	0	0	0	1	0	1	4	6	42	47	6	1	1	0	0	0 :	109
3. - 5. :	2	1	0	0	0	1	4	11	15	46	50	18	5	4	3	4	1 :	165
1. - 3. :	8	7	10	2	7	11	27	36	24	31	24	17	12	12	17	17	4 :	266
LT 1. :	6	7	2	4	2	5	8	7	2	8	5	2	4	1	2	3	3 :	71
TOTAL :	16	15	12	6	10	17	40	59	54	142	153	47	22	18	22	24	8	665
PERCENT	2.	2.	2.	1.	2.	3.	6.	9.	8.	21.	23.	7.	3.	3.	3.	4.	1.	100.

0 = NO OBSERVATIONS

(06/12/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD42 PERIOD(2/01/79 TO 2/28/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	3	3	3	5	5	3	4	8	8	7	2	4	9	3	3	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0 :	1
5. - 8. :	0	0	0	0	0	0	0	0	3	5	1	0	0	0	0	0	0 :	9
3. - 5. :	0	0	0	0	1	1	0	2	5	3	5	0	2	1	0	0	0 :	20
1. - 3. :	0	8	13	35	37	7	3	1	7	3	3	6	5	5	8	8	0 :	147
LT 1. :	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0 :	2
TOTAL :	0	8	13	36	38	8	3	3	15	11	9	6	7	6	8	8	0	179
PERCENT	0.	4.	7.	20.	21.	4.	2.	2.	8.	6.	5.	3.	4.	3.	4.	4.	0.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD5o PERIOD(2/01/79 TO 2/28/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	2	2	2	4	5	3	4	3	4	2	3	1	3	4	2	3	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
5. - 8. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	3
3. - 5. :	0	0	0	2	3	0	2	0	7	0	0	0	0	1	0	0	0 :	15
1. - 3. :	7	2	3	15	38	35	32	68	66	6	8	1	4	9	15	14	0 :	323
LT 1. :	0	0	0	1	2	0	1	1	1	0	0	0	0	0	0	0	0 :	6
TOTAL :	7	2	3	18	43	35	35	69	74	6	8	1	4	10	15	14	0	344
PERCENT	2.	1.	1.	5.	13.	10.	10.	20.	22.	2.	2.	0.	1.	3.	4.	4.	0.	100.

0 = NO OBSERVATIONS

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB20
February 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-Hr	1	14	00	17.2	ug/m^3
		2	2	00	11.6	ug/m^3
		3	26	00	11.6	ug/m^3
		4	5	00	9.6	ug/m^3
		5	11	00	6.7	ug/m^3
Ozone	1-Hr	1	18	17	157.0	ug/m^3
		2	18	18	147.2	ug/m^3
		3	12	21	127.5	ug/m^3
		4	12	22	117.7	ug/m^3
		5	19	14	111.8	ug/m^3
CO	1-Hr	1	20	12	300.0	ug/m^3
		2	20	13	300.0	ug/m^3
		3	20	14	300.0	ug/m^3
		4	15	7	300.0	ug/m^3
		5	12	1	200.0	ug/m^3
CO	8-Hr	1	11	23	200.0	ug/m^3
		2	20	7	100.0	ug/m^3
		3	17	23	100.0	ug/m^3
		4	1	6	100.0	ug/m^3
		5	15	3	100.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
February 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-Hr	1	26	00	12.1	ug/m^3
		2	14	00	11.5	ug/m^3
		3	2	00	7.3	ug/m^3
		4	11	00	7.0	ug/m^3
		5	17	00	5.3	ug/m^3
Carbon Monoxide	1-Hr	1	20	15	1800.0	g/m^3
		2	20	14	1700.0	g/m^3
		3	20	13	1200.0	g/m^3
		4	16	14	900.0	g/m^3
		5	27	17	800.0	g/m^3
	8-Hr	1	20	8	800.0	ug/m^3
		2	17	8	400.0	ug/m^3
		3	27	12	400.0	ug/m^3
		4	25	24	400.0	ug/m^3
		5	26	24	400.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
February 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Sulfur Dioxide	3-Hr	1	16	15	0.5	ug/m^3
		2	16	18	0.5	ug/m^3
		3	16	21	0.5	ug/m^3
		4	16	24	0.5	ug/m^3
		5	17	3	0.5	ug/m^3
	24-Hr	1	16	15	0.5	ug/m^3
		2	17	15	0.5	ug/m^3
		3	18	15	0.5	ug/m^3
		4	21	12	0.5	ug/m^3
		5	22	13	0.5	ug/m^3
Ozone	1-Hr	1	23	15	118.5	ug/m^3
		2	21	11	114.6	ug/m^3
		3	12	18	107.9	ug/m^3
		4	12	19	107.9	ug/m^3
		5	25	22	106.1	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE AD56
February 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-Hr	1	14	00	10.9	ug/m^3
		2	26	00	9.5	ug/m^3
		3	2	00	9.2	ug/m^3
		4	5	00	6.9	ug/m^3
		5	11	00	5.4	ug/m^3

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
February 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	CO
MULTIPOINT RECORDER	85	85	85	96	96
DATA ACQUISITION SYSTEM	0	0	0	0	0
OTHER SYSTEMS					
MONTHLY TOTAL	85	85	85	96	96

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
February 1979
OCCIDENTAL OIL SHALE, INC.

	WS	WD	TEMP	INVERS. HT	STB 50m	STB 200m	PART	PRECIP.
MULTIPOINT RECORDER	96	96	96	94	94	94		
DATA ACQUISITION SYSTEM	0	0	0	0	0	0		
OTHER SYSTEMS							100	100
MONTHLY TOTAL	96	96	96	94	94	94	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
February 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	SO_2	H_2S	CO	BAR PRESS.	SOLAR RAD.
MULTIPOINT RECORDER	56	56	56	56	56	56	56	56	56
DATA ACQUISITION SYSTEM	44	44	44	44	44	44	44	44	44
OTHER SYSTEMS									
MONTHLY TOTALS	100	100	100	100	100	100	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
February 1979
OCCIDENTAL OIL SHALE, INC

	SIGMA HWD 10m	SIGMA HWD 60m	WS 10m	WS 30m	WS 60m	WD 10m	WD 30m	WD 60m
MULTIPOINT RECORDER	56	56	56	0	56	56	56	56
DATA ACQUISITION SYSTEM	44	44	44	16	44	44	44	44
OTHER SYSTEMS								
MONTHLY TOTALS	100	100	100	16	100	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
February 1979
OCCIDENTAL OIL SHALE, INC.

	TMP 10m	TMP 30m	TMP 60m	DT 60-10m	RH	PART	PREC
MULTIPOINT RECORDER	56	56	56	56			
DATA ACQUISITION SYSTEM	44	44	44	44			
OTHER SYSTEMS					99	100	100
MONTHLY TOTALS	100	100	100	100	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD42
February 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m
MULTIPOINT RECORDER			
DATA ACQUISITION SYSTEM			
OTHER SYSTEMS	27	27	27
MONTHLY TOTALS	27	27	27

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD56
February 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	51	51	51	100
MONTHLY TOTALS	51	51	51	100

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DATA REPORT

AIR MONITORING REPORT
FOR
PROTOTYPE OIL SHALE LEASE TRACT C-B

MARCH 1979

Submitted July 15, 1979

PREPARED BY:
OCCIDENTAL OIL SHALE, INC. OPERATOR
P.O. BOX 2687
GRAND JUNCTION, COLORADO 81502

SITE AB20	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
NO											X					
NOX											X					
NO2											X					
03											X					
CO											X					
PARTICULATE											X					
WIND SPEED											X					
WIND DIRECTION											X					
TEMPERATURE											X					
PRECIPITATION											X					
INVERSION HGT.											X					
STABILITY CLS 50M											X					
STABILITY CLS 200M											X					

SITE AB23 & AA23	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO											X						
NOX											X						
NO2											X						
O3											X						
CO											X						
SO2											X						
H2S											X						
PARTICULATE											X						
WIND SPEED 10M											X						
WIND SPEED 30M											X						
WIND SPEED 60M											X						
WIND DIRECTION 10M											X						
WIND DIRECTION 30M											X						
WIND DIRECTION 60M											X						
SIGMA HOR WD 10M											X						
SIGMA HOR WD 60M											X						
TEMPERATURE 10M											X						
TEMPERATURE 30M											X						
TEMPERATURE 60M											X						
DELTA T 60-10M											X						
PRECIPITATION											X						
EVAPORATION																	
RELATIVE HUMIDITY											X						
SOLAR RADIATION											X						
BAROMETRIC PRESS.											X						

	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
SITE AD42																
WIND SPEED 10M											X					
WIND DIRECTION 10M											X					
TEMPERATURE 10M											X					
SITE AD56																
WIND SPEED 10M											X					
WIND DIRECTION 10M											X					
TEMPERATURE 10M											X					
PARTICULATE											X					
SUMMARY REPORTS																
STAB. CLASS DT/DZ											X					
FREQUENCY TABLES -																
GASES vs WD AB20											X					
" " AB23											X					
FREQUENCY TABLES-																
WS vs WD AB20											X					
" " AB23											X					
5 MAX IND. SLIDING																
AVERAGES AB20											X					
" AB23											X					
" AD56											X					
DATA COLLECTION -																
EFFICIENCY AB20											X					
" AB23											X					
" AD42											X					
" AD56											X					

SUMMARY REPORTS (Continued)	1978								1979								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
VECTOR AVERAGES																	
WD & WS AB20											X						
" AB23											X						

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER AB20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
2	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
3	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
4	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
5	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
6	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
7	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
8	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
9	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
10	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
11	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
12	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
13	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
14	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
15	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
16	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
17	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
18	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
19	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
20	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
21	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
22	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
23	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
24	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
25	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
26	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
27	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
28	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
29	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	(CA)	5	4	4	6	5	5	6	4	5	4	5	4	4	3	6
31	6	4	4	2	4	4	5	2	4	2	2	1	1	2	2	2	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	3	6
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	6	4	4	2	4	4	5	2	4	2	2	5	4	4	6	5	5	6	4	5	4	5	4	4		6

(06/18/79-RPI)

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	2	2	1	2
2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2
3	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	2	1	2	2
4	1	1	2	2	1	2	2	4	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	4
5	1	2	2	1	2	2	1	2	2	1	2	2	1	1	2	2	1	2	1	1	1	2	2	2	2	2
6	2	2	2	2	2	1	1	2	1	1	3	3	2	2	2	1	1	2	2	2	2	2	2	1	2	3
7	2	2	1	1	1	2	2	2	2	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	2	2
8	1	1	1	1	2	1	1	2	2	2	1	(IM)	(IM)	1	1	2	1	1	1	1	1	1	1	1	1	2
9	2	2	2	1	1	1	1	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	2
10	1	2	1	2	2	2	2	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2
11	2	2	2	2	2	2	2	3	3	2	5	4	3	2	1	1	2	1	1	1	1	1	1	1	2	5
12	1	1	1	1	1	1	1	1	1	1	1	1	1	(CA)	3	2	2	2	2	2	2	2	2	2	2	3
13	3	2	2	2	2	2	3	2	3	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	1	3
14	0	0	0	0	0	1	1	1	1	1	2	2	3	1	1	1	2	1	1	2	1	1	1	1	1	3
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	2	1	1	1	1	1	2
16	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	2
17	1	2	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	2
18	1	1	1	1	1	1	0	0	1	1	0	2	1	1	1	1	1	1	0	1	1	0	1	1	1	2
19	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1	1
20	1	1	1	1	1	1	1	1	2	1	1	1	0	0	1	4	1	1	1	1	1	1	2	2	1	4
21	1	2	2	2	1	1	2	2	1	6	5	1	2	2	1	1	1	1	0	0	1	0	1	1	2	6
22	1	1	1	1	1	1	1	1	2	3	3	3	2	1	1	1	0	1	1	1	2	2	1	1	1	3
23	2	2	1	1	1	1	1	1	2	1	1	1	(CA)	(CA)	(CA)	1	1	0	0	0	0	1	1	1	1	2
24	1	1	1	1	2	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	1	1	1	1
27	1	1	1	1	1	1	1	2	3	(CA)	(CA)	(CA)	(CA)	(CA)	1	1	2	1	1	1	0	1	1	1	1	3
28	1	1	1	1	1	1	1	1	(CA)	(CA)	(CA)	(CA)	(CA)	1	1	1	1	1	1	1	1	1	1	2	1	2
29	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2
30	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	2
31	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	0	1	1	1	1	1	1	1	2
AV	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
PK	3	3	2	2	2	2	3	4	3	6	5	4	3	2	3	4	2	2	2	2	2	2	2	2		6

II B-731

(06/19/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER AB20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
2	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
3	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
4	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
5	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
6	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
7	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
8	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
9	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
10	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
11	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
12	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
13	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
14	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
15	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
16	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
17	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
18	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
19	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
20	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
21	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
22	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
23	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
24	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
25	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
26	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
27	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
28	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
29	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	(CA)	15	13	11	13	11	13	13	13	11	15	13	15	15	8	15
31	13	13	13	13	11	11	13	13	8	9	9	11	11	13	11	11	11	(RE)	(RE)	(RE)	(RE)	(RE)	(RE)	(RE)	12	13
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	13	13	13	13	11	11	13	13	8	9	9	15	13	13	13	11	13	13	13	11	15	13	15	15		15

II B-732

(06/18/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	3	2	2	3	3	3	3	3	3	4	3	3	3	2	2	2	3	3	3	3	4	4	4	4	3	4
2	4	4	3	4	4	5	4	4	3	3	3	4	4	4	4	3	4	5	4	5	7	5	6	7	4	7
3	5	5	7	3	3	3	2	3	5	5	4	4	4	3	3	2	2	3	9	3	2	2	2	4	4	9
4	5	8	5	4	4	3	4	13	8	3	4	2	2	2	2	2	2	2	2	1	2	2	2	2	3	13
5	2	3	3	2	2	2	2	2	2	2	4	2	2	2	2	4	2	3	2	2	2	2	2	2	2	4
6	2	2	2	2	2	2	2	4	2	3	7	3	2	2	2	2	3	7	3	2	3	2	2	2	3	7
7	2	3	2	3	5	3	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	3	2	5
8	2	2	3	2	2	2	2	2	3	3	2	(IM)	(IM)	2	3	2	2	2	2	1	2	2	2	2	2	3
9	2	2	2	2	2	2	2	2	2	2	4	3	2	2	1	1	1	1	1	2	3	2	2	2	2	4
10	3	4	6	4	2	3	11	3	2	2	2	2	1	1	2	1	1	1	1	2	2	2	2	2	3	11
11	2	2	2	2	2	2	1	8	4	2	10	8	6	4	3	1	1	1	2	2	1	1	1	1	3	10
12	10	8	3	1	2	1	1	2	2	2	2	2	1	(CA)	5	4	4	3	3	3	3	3	3	4	3	10
13	4	4	4	4	4	5	6	5	7	6	7	4	2	2	1	1	2	1	2	2	2	1	1	3	3	7
14	5	2	2	1	1	4	7	2	3	6	8	5	9	2	2	2	2	2	3	3	2	2	5	6	4	9
15	5	4	4	2	5	5	8	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	3	8
16	2	3	4	4	3	3	3	5	4	3	3	3	3	3	3	4	4	3	3	3	2	3	3	3	3	5
17	3	3	4	3	3	3	3	2	3	2	2	2	2	2	2	2	2	3	2	3	4	4	2	3	3	4
18	2	3	3	2	2	2	2	2	3	2	2	6	4	2	2	3	2	3	3	4	3	2	2	2	3	6
19	3	2	2	2	2	2	2	2	4	4	3	3	5	3	3	3	1	1	2	2	2	3	3	3	3	5
20	4	5	4	4	4	4	2	2	3	3	1	1	1	1	0	5	2	2	3	3	2	3	3	3	3	5
21	2	2	2	3	2	2	3	2	3	21	17	4	4	7	4	3	2	2	2	2	2	2	2	2	4	21
22	2	2	2	1	2	3	3	3	6	9	8	10	7	7	7	5	4	8	6	3	2	2	2	2	4	10
23	2	2	2	2	2	3	3	2	4	3	3	4	(CA)	(CA)	(CA)	4	4	3	3	4	3	3	5	3	3	5
24	4	4	5	4	3	3	3	4	3	3	5	3	3	2	2	2	2	2	3	3	3	3	3	3	3	5
25	2	2	3	5	2	2	3	3	3	3	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	5
26	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	2
27	1	1	1	1	1	2	2	2	4	(CA)	(CA)	(CA)	(CA)	(CA)	2	4	3	3	3	3	3	3	2	2	2	4
28	2	2	2	2	2	2	2	2	(CA)	(CA)	(CA)	(CA)	(CA)	4	4	3	3	2	3	5	6	3	4	3	3	6
29	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3
30	2	3	3	3	3	2	3	2	2	2	2	3	1	1	0	0	0	0	0	1	1	0	1	1	2	3
31	2	2	2	2	2	2	4	3	4	3	2	2	1	2	3	1	2	3	1	0	0	0	1	1	2	4
AV	3	3	3	3	3	3	3	3	3	4	4	3	3	2	2	2	2	3	3	2	2	2	2	3	3	
PK	10	8	7	5	5	5	11	13	8	21	17	10	9	7	7	5	4	8	9	5	7	5	6	7		21

(06/19/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER A820
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
2	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
3	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
4	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
5	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
6	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
7	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
8	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OP)	( )	( )
9	(OR)	(OR)	(OR)	(OP)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
10	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
11	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
12	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
13	(OR)	(OR)	(OR)	(OP)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
14	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
15	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
16	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
17	(OP)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
18	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
19	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
20	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
21	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
22	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
23	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
24	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
25	(OR)	(OR)	(OR)	(OP)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
26	(OR)	(OR)	(OR)	(OR)	(OP)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
27	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
28	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
29	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	(CA)	8	8	6	4	4	6	4	8	4	9	6	9	9	4	9
31	4	8	8	9	6	6	6	9	2	6	6	9	9	9	8	8	9	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	7	9
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	4	8	8	9	6	6	6	9	2	6	6	9	9	9	8	8	9	4	8	4	9	6	9	9		9

II B-734

(06/13/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	2
2	1	1	1	0	1	2	2	2	1	1	1	2	2	2	2	2	2	3	2	2	4	2	3	5	2	5
3	2	3	5	0	0	0	1	0	2	1	0	1	1	0	0	0	0	1	7	0	0	0	0	2	1	7
4	3	6	3	1	1	0	1	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8
5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
6	0	0	0	0	0	1	0	1	0	1	2	0	0	0	0	0	1	4	0	0	0	0	0	0	0	4
7	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3
8	0	0	0	0	0	0	0	0	0	1	0	(IM)	(IM)	0	1	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	2	0	0	1	0	2
10	2	1	4	1	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8
11	0	0	0	0	0	0	0	3	0	0	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	3
12	9	6	2	0	0	0	0	0	0	0	0	0	0	(CA)	1	1	1	1	1	0	0	0	1	1	1	9
13	0	0	0	0	0	2	2	2	3	1	3	2	1	1	0	0	1	1	1	2	2	1	1	2	1	3
14	5	2	2	1	1	2	5	0	1	4	5	3	5	1	1	0	0	1	1	0	1	0	4	5	2	5
15	4	3	3	1	4	4	7	1	1	1	1	0	1	1	2	1	0	0	1	0	0	0	0	0	2	7
16	1	1	1	3	2	1	1	3	1	1	1	1	2	2	2	2	2	2	1	1	1	2	2	2	2	3
17	1	1	3	3	2	2	0	1	1	0	0	0	0	0	2	1	1	2	1	2	3	4	2	1	1	4
18	2	2	2	1	1	1	2	2	2	1	2	3	2	1	1	2	1	3	2	3	2	2	2	1	2	3
19	2	2	1	1	0	0	0	1	2	2	2	2	3	2	2	2	1	1	2	2	1	2	2	3	2	3
20	3	4	3	2	3	2	0	0	0	1	0	0	0	0	0	0	0	1	2	1	1	2	0	0	1	4
21	0	0	0	0	0	1	0	0	1	11	9	1	2	3	2	2	1	1	2	1	1	1	1	0	2	11
22	0	0	0	0	0	1	1	1	4	5	4	6	4	5	5	3	3	7	6	1	0	0	0	0	2	7
23	0	0	1	1	0	1	1	1	6	1	2	2	(CA)	(CA)	(CA)	2	3	2	2	4	2	2	5	2	2	6
24	2	3	4	3	0	0	1	2	1	1	3	1	2	1	0	1	0	1	1	1	2	1	2	1	1	4
25	1	1	1	2	0	1	1	1	1	1	1	0	0	0	0	1	0	0	0	1	1	1	1	0	1	2
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
27	0	0	0	0	0	1	0	0	0	(CA)	(CA)	(CA)	(CA)	(CA)	2	2	1	1	1	2	2	1	0	0	1	2
28	0	0	0	0	1	1	1	0	(CA)	(CA)	(CA)	(CA)	(CA)	3	2	2	1	2	2	3	5	2	2	1	1	5
29	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	2
AV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PK	9	6	5	3	4	4	8	8	6	11	9	6	5	5	5	3	3	7	7	4	5	4	5	5		11

(06/19/79-RFI)

OZONE
(UG/M3)

CB-TRACT
TRAILER AB20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	24	20	16	14	10	10	16	25	31	39	35	24	24	39	63	41	49	41	37	33	39	35	37	35	31	63
2	31	35	41	35	43	41	31	18	12	24	49	43	35	31	39	45	51	61	31	29	22	31	25	22	34	61
3	43	41	41	43	37	25	8	6	18	20	31	37	37	51	63	49	65	49	33	31	31	35	49	57	38	65
4	61	63	61	59	59	53	47	49	59	65	71	71	53	43	45	47	47	45	41	45	16	12	20	39	49	71
5	33	35	31	31	37	33	27	29	25	27	31	39	37	43	51	51	49	51	49	45	49	49	53	61	40	61
6	63	57	45	41	80	74	63	61	29	78	88	76	51	65	71	61	59	57	53	51	35	59	78	78	61	83
7	78	78	82	76	82	80	63	22	22	33	37	39	65	63	43	53	51	47	45	51	33	45	59	57	54	82
8	57	55	53	45	39	35	41	43	47	47	49	71	69	61	69	78	78	84	78	76	53	51	39	35	56	34
9	45	39	41	45	73	49	69	69	65	59	78	69	59	55	49	74	59	65	76	69	47	69	59	59	60	78
10	59	57	45	59	55	57	55	57	69	71	71	57	82	98	57	69	57	49	55	45	45	49	45	57	59	98
11	67	65	61	61	45	51	49	76	98	94	88	80	110	106	94	102	102	100	86	82	86	82	86	84	82	110
12	88	86	88	84	71	71	82	82	88	65	35	43	43	53	71	63	57	55	65	59	80	76	82	96	70	96
13	86	80	86	76	65	65	67	78	74	73	98	102	104	100	96	67	65	65	51	47	43	49	45	35	72	104
14	29	39	47	45	43	45	51	55	53	53	51	61	53	71	76	71	73	69	67	65	45	45	47	43	54	76
15	55	57	55	53	49	43	41	45	53	59	65	67	57	39	41	73	74	86	63	51	61	78	82	78	59	86
16	80	78	63	53	57	55	53	39	71	76	61	69	73	73	61	73	71	51	47	59	78	51	45	49	62	80
17	63	51	47	55	61	65	57	63	73	73	74	80	88	88	88	86	92	84	36	82	80	67	61	47	71	92
18	33	33	20	22	35	47	51	35	53	63	61	53	82	90	80	84	92	89	74	76	74	69	80	76	61	92
19	73	76	80	86	74	47	45	45	47	49	55	51	41	59	69	69	67	67	49	45	41	33	45	39	56	86
20	45	47	27	33	43	43	39	41	39	37	59	59	43	43	37	41	65	39	35	25	69	37	39	35	43	69
21	29	35	25	16	16	22	41	57	78	(RF)	59	57	57	41	45	53	55	55	51	37	59	92	90	90	50	92
22	74	88	84	82	65	61	55	59	57	61	71	80	84	84	47	45	43	45	84	76	74	37	73	78	67	83
23	84	39	25	33	25	59	80	47	55	84	47	59	86	84	55	59	61	65	53	43	39	37	25	16	53	86
24	12	39	37	41	24	33	10	20	24	22	39	47	57	53	57	57	55	39	47	39	51	53	55	57	40	57
25	39	37	37	39	25	14	25	20	43	53	53	71	51	51	51	63	71	69	45	41	37	45	45	33	44	71
26	20	39	43	41	43	47	43	45	51	71	94	76	71	90	98	104	78	114	131	133	94	57	57	53	71	133
27	49	53	55	39	35	43	47	49	55	59	59	73	59	69	65	69	76	71	49	55	53	53	57	51	56	76
28	55	57	59	43	45	31	39	45	53	61	65	71	73	67	55	49	47	43	45	33	35	41	45	49	50	73
29	43	45	45	43	43	53	73	74	69	69	61	51	47	53	41	24	16	12	12	10	8	4	2	0	37	74
30	0	0	0	0	0	0	0	0	18	12	24	55	49	51	53	53	47	47	47	63	45	45	45	35	29	63
31	39	37	45	49	47	45	53	49	47	47	51	49	51	53	51	47	49	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	48	53
AV	50	50	48	47	46	45	46	45	51	55	58	61	61	63	61	62	62	60	56	53	51	50	53	52	53	
PK	88	88	88	86	82	80	82	82	98	94	98	102	110	106	98	104	102	114	131	133	94	92	90	96		133

(06/18/79-RPT)

OZONE
(UG/M3)

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	92	90	89	88	85	86	85	85	86	87	92	95	96	97	97	95	95	93	93	94	94	92	90	89	91	97
2	83	87	85	82	82	80	80	76	82	84	85	86	87	88	91	92	96	96	98	93	88	83	86	81	87	98
3	85	83	79	86	85	82	79	80	81	83	87	92	97	101	100	100	99	96	87	89	88	90	91	88	89	101
4	87	83	87	89	90	90	88	80	85	92	93	92	90	91	91	91	92	91	92	89	88	89	89	87	89	93
5	87	84	86	84	87	83	83	85	86	88	89	92	92	93	93	89	92	89	90	89	86	84	83	83	87	93
6	79	79	73	77	78	78	79	73	72	75	73	83	83	83	82	83	79	72	76	75	73	74	77	74	77	83
7	75	73	73	71	68	72	70	71	71	76	77	76	76	75	76	81	87	85	80	75	71	79	74	73	75	87
8	77	73	76	76	76	77	78	78	75	74	76	(IM)	(IM)	94	91	89	90	91	92	91	86	77	74	74	81	94
9	79	71	73	74	80	80	80	84	85	87	86	88	91	92	93	94	95	95	93	90	79	78	81	84	85	95
10	86	84	81	83	87	83	73	83	85	90	97	99	99	99	99	100	101	102	99	94	98	97	97	100	92	102
11	97	96	97	97	95	93	91	83	91	90	87	92	94	96	98	96	96	96	92	87	89	95	93	92	93	98
12	74	79	88	86	85	85	86	82	79	84	92	96	96	97	97	99	99	99	95	92	92	94	96	96	90	99
13	94	95	95	95	93	96	97	95	95	101	103	101	93	96	95	95	90	89	91	92	92	94	91	85	94	103
14	83	86	87	89	87	87	82	87	83	87	88	91	89	94	95	94	95	100	98	97	96	93	94	91	91	100
15	93	91	92	89	89	88	85	88	85	88	92	90	90	91	92	94	93	92	89	88	86	87	83	85	89	94
16	83	83	85	85	86	83	83	72	81	93	93	92	94	95	98	100	102	100	95	96	96	92	91	87	90	102
17	90	87	83	88	85	86	85	84	93	91	90	92	93	95	95	96	97	91	88	84	83	71	71	70	87	97
18	77	77	71	71	73	76	78	80	80	86	85	82	83	86	86	88	89	86	84	83	75	71	74	80	80	89
19	77	83	83	80	79	79	83	85	84	85	89	93	93	93	95	94	93	94	92	76	77	79	75	66	84	95
20	70	65	71	65	62	63	69	65	62	78	89	89	90	93	92	91	89	85	77	73	72	72	74	92	76	93
21	73	66	64	53	54	44	50	54	53	54	63	72	71	70	73	75	78	91	86	86	87	86	84	79	69	91
22	77	79	80	79	74	72	66	62	59	59	70	75	83	86	83	81	82	78	75	73	70	72	71	67	74	86
23	71	70	67	71	68	66	70	70	64	82	87	92	(CA)	(CA)	(CA)	92	91	92	88	85	82	83	79	77	79	92
24	76	71	75	70	79	78	75	71	80	90	95	97	97	97	98	97	96	96	94	93	93	93	92	94	87	98
25	92	89	87	86	87	86	88	85	91	97	98	98	97	97	98	96	93	93	92	92	90	89	90	89	92	98
26	84	80	80	81	81	84	83	78	85	92	93	93	92	92	91	95	95	92	90	88	81	82	80	85	87	96
27	88	90	93	93	92	88	86	88	107	102	103	(CA)	(CA)	99	100	96	92	90	89	87	85	83	81	81	92	107
28	80	79	78	77	74	71	66	66	68	73	73	75	(CA)	(CA)	(CA)	94	75	72	66	69	56	55	63	56	71	94
29	64	73	69	67	72	82	93	95	91	91	93	93	93	91	90	88	86	83	83	77	77	75	75	76	82	95
30	78	69	70	69	75	77	78	78	80	83	83	117	84	83	84	84	86	84	81	82	71	76	83	80	81	117
31	77	70	66	75	74	74	78	82	80	81	86	88	91	95	94	93	90	90	88	78	76	77	72	72	81	95
AV	82	80	80	80	80	80	80	79	81	85	87	90	90	92	92	92	91	90	88	86	83	83	83	81	85	
PK	97	96	97	97	95	96	97	95	107	102	103	117	99	101	100	100	102	102	99	97	98	97	97	100		117

II B-737

(06/18/79-RPI)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER AB20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	0	0	100
2	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100	100	100	100	100	0	0	0	100	0	100
3	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	100
4	100	0	100	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
5	0	0	0	0	0	100	100	100	0	100	(CA)	0	0	0	0	(IM)	(IM)	200	100	100	100	100	100	0	0	200
6	0	0	0	100	100	200	200	100	0	100	100	0	0	0	0	0	100	100	100	100	0	0	0	0	0	200
7	0	100	100	0	0	100	100	0	0	0	0	0	0	0	0	100	200	300	300	200	0	0	0	0	100	300
8	0	0	0	100	100	100	100	100	100	100	100	100	0	0	0	0	0	100	100	0	0	0	0	0	0	100
9	0	0	0	0	0	100	0	0	0	100	100	0	0	0	0	0	0	100	100	100	0	0	0	0	0	100
10	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	100
11	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	100
12	0	0	0	0	0	100	100	100	0	100	200	100	0	0	0	0	0	0	0	0	0	0	0	0	0	200
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	100	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	100	200	100	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	200
17	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100
18	0	0	100	100	0	100	100	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100
19	100	100	100	100	0	0	0	0	100	100	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	100
20	0	0	0	0	0	0	100	100	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
21	0	0	0	0	0	100	200	200	100	(RF)	100	0	0	100	0	100	0	0	0	0	0	0	0	100	0	200
22	100	0	0	(LI)	(LI)	(LI)	(LI)	(LI)	100	200	200	100	0	0	0	0	0	0	0	0	0	0	0	0	0	200
23	100	100	100	0	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100
24	100	100	200	100	0	0	0	0	0	0	0	0	0	0	0	0	100	100	200	200	0	0	0	0	100	200
25	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	100
26	0	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0	0	100	200	100	0	0	0	0	0	200
27	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	100	100	100	100	0	0	100	0	0	100
28	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	100	100	0	100	0	100	200	0	200
29	300	200	300	200	0	0	0	0	0	0	0	0	0	100	100	100	200	200	200	100	0	0	0	0	100	300
30	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
31	0	0	0	0	0	0	0	0	100	100	100	100	0	0	0	0	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	100
AV	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	
PK	300	200	300	200	100	200	200	200	100	200	200	100	0	100	100	100	200	300	300	200	100	100	100	200		300

CARBON MONOXIDE
(UG/M3)

C8-TRACT
TRAILER A923
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	200	300	300	300	200	300	300	300	300	300	(CA)	300	300	400	300	400	400	400	300	300	300	300	300	100	300	400
2	100	0	0	0	0	0	0	0	0	0	100	200	200	300	200	200	300	400	400	300	400	400	500	400	200	500
3	200	200	300	200	200	200	300	500	600	600	600	600	500	500	500	300	300	300	500	200	100	100	100	100	300	600
4	200	200	200	200	200	300	300	500	400	400	400	400	400	300	300	200	300	200	200	200	200	200	200	200	300	500
5	200	300	300	200	200	200	300	300	300	300	200	200	200	200	100	500	800	600	500	0	0	0	0	0	300	800
6	0	0	0	0	0	0	100	300	300	200	400	300	300	300	500	200	200	100	0	100	0	0	0	300	100	500
7	400	500	400	400	500	500	500	200	200	200	200	200	200	300	900	0	0	0	0	200	200	100	0	100	300	900
8	0	0	0	0	100	0	100	0	100	100	100	500	700	600	500	200	200	200	300	200	200	200	100	300	200	700
9	300	300	300	300	300	400	400	200	200	200	200	200	100	300	600	0	0	0	100	200	100	0	0	200	200	600
10	200	100	300	200	100	200	300	200	300	200	200	100	200	200	200	300	400	400	400	100	0	0	0	200	200	400
11	100	100	200	100	100	100	200	400	200	300	500	300	300	300	200	100	200	300	300	0	0	0	0	100	200	500
12	400	300	300	200	300	300	400	200	200	200	200	200	100	(CA)	800	500	0	0	0	100	0	0	0	100	200	800
13	100	200	200	200	200	300	300	100	100	100	100	400	1300	1400	600	200	0	0	0	0	0	0	0	100	200	1400
14	100	0	0	0	0	0	100	300	400	400	500	500	400	300	500	400	200	0	100	200	100	0	0	400	200	500
15	300	400	300	300	300	300	400	400	400	300	300	200	200	200	200	0	0	0	0	200	100	100	0	300	200	400
16	300	300	300	200	200	300	300	200	200	200	300	300	200	200	300	200	200	300	300	100	0	0	0	200	200	300
17	400	400	300	400	300	300	300	200	300	200	200	200	300	200	200	300	300	400	400	100	100	100	100	100	200	400
18	0	100	100	100	100	200	200	200	200	200	200	200	100	100	0	0	100	200	200	100	100	100	100	0	100	200
19	100	100	100	100	100	200	100	400	400	500	400	700	800	800	1900	200	0	0	0	0	0	0	0	200	300	1900
20	300	300	100	100	0	100	100	100	100	100	0	100	100	(CA)	200	200	300	200	200	200	200	100	200	300	200	300
21	300	200	200	100	100	100	300	300	400	500	400	300	300	300	100	400	600	500	600	200	200	100	100	200	300	600
22	300	200	200	100	100	100	300	100	300	300	400	400	400	(CA)	(CA)	0	0	0	0	100	100	0	0	200	200	400
23	400	400	400	400	300	200	400	200	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	(CA)	300	100	0	0	100	0	0	0	100	200	400
24	200	300	400	400	300	400	400	400	500	300	300	300	200	100	200	200	200	300	300	100	100	0	0	100	200	500
25	100	100	200	100	200	200	200	300	400	300	300	300	300	100	100	500	700	700	700	300	300	300	200	0	300	700
26	0	0	0	0	0	100	200	200	200	200	200	100	100	100	0	0	0	100	100	400	300	200	200	100	100	400
27	100	300	400	400	500	600	700	100	0	0	0	0	0	(CA)	300	400	600	700	800	200	300	300	400	200	300	800
28	200	100	100	0	100	100	100	0	0	0	0	0	0	0	(CA)	(CA)	(CA)	(CA)	900	100	0	0	0	400	100	900
29	500	600	400	400	400	600	1200	600	400	300	0	0	0	0	100	200	300	300	300	300	300	200	300	100	300	1200
30	100	100	200	200	100	200	200	100	100	100	100	0	0	0	100	300	500	600	600	200	100	200	100	200	200	600
31	200	300	200	300	300	300	300	200	200	300	300	200	100	200	100	300	400	400	500	300	200	300	300	200	300	500
AV	200	200	200	200	200	200	300	200	300	200	200	300	300	300	400	200	200	300	300	200	100	100	100	200	200	
PK	500	600	400	400	500	600	1200	600	600	600	600	700	1300	1400	1900	500	800	700	900	400	400	400	500	400		1900

II B-739

(06/18/79-RPI)

SULFUR DIOXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	(IM)	(IM)	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	(CA)	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	(CA)	(CA)	(CA)	1	1	0	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	4	1	1	1	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	1	4
28	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	(CA)	(CA)	1	1	1	1	1	1	1	0	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
AV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PK	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		4

HYDROGEN SULFIDE
(UG/M3)

CB-TRACT
TRAILER A823
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
9	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	(CA)	(CA)	(CA)	(CA)	1	0	4	0	0	0	0	0	0	0	0	0	0	4
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	1	0	5	4	1	0	4	0	0	0	0	0	0	0	0	0		5

(06/18/79-RPI)

Particulate Data 24-Hour Average (UG/M3)

CB-Tract

Occidental Oil Shale, Inc.

Mo	Dy	Yr	AB20	AB23	AD56
3	1	79	12.2	8.0	6.4
3	4	79	4.3	1.2	3.1
3	7	79	12.6	1.6	4.1
3	10	79	2.8	1.6	2.3
3	13	79	2.4	1.0	2.8
3	16	79	26.7	21.6	24.0
3	19	79	8.9	4.4	8.7
3	22	79	5.0		4.0
3	25	79	11.6	8.9	7.8
3	28	79	11.6	8.7	7.3
3	31	79	5.4	4.9	4.6
		Av	9.4	6.2	6.8
		Gm	7.3	3.9	5.3
		Pk	26.7	21.6	24.0

WIND SPEED @10M
METERS/SEC

CB-TRACT
TRAILER AB20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	2	1	3	3	0	2	4	4	3	2	2	4	4	4	4	4	4	4	4	2	3	4	3	3	3	4
2	3	2	3	3	2	0	1	2	1	0	(CM)	2	3	4	2	4	4	3	3	2	0	1	2	2	2	4
3	1	0	0	1	1	0	0	1	1	3	2	4	3	3	2	3	2	1	1	1	1	1	1	2	2	4
4	2	3	3	2	3	2	1	2	3	1	1	2	3	2	2	2	2	1	0	3	2	2	2	3	2	3
5	2	2	3	1	1	0	2	2	2	1	0	1	1	1	2	3	1	1	1	1	1	1	1	1	2	3
6	1	2	1	1	0	0	0	1	0	1	1	1	2	3	1	2	1	0	1	1	1	1	1	0	1	3
7	1	1	1	(CM)	1	1	1	0	(CM)	1	0	1	1	1	1	2	1	1	1	1	1	3	2	1	1	3
8	1	1	2	2	1	2	2	2	1	1	4	8	7	8	5	3	2	2	0	0	1	0	0	2	2	8
9	1	1	1	1	1	1	1	1	1	1	2	3	4	2	3	3	3	3	1	0	1	2	1	1	2	4
10	1	1	2	3	3	3	4	3	4	1	1	3	2	3	3	2	2	2	1	1	2	2	4	3	2	4
11	3	4	4	4	1	0	1	2	2	2	2	3	3	2	3	4	4	1	0	1	1	1	1	1	2	4
12	2	1	1	1	0	1	2	2	1	2	3	2	2	1	2	3	3	1	1	1	1	2	2	1	2	3
13	2	3	1	1	1	3	3	4	4	2	1	2	3	2	2	2	3	2	1	1	0	1	1	1	2	4
14	2	1	3	1	2	2	3	3	2	2	3	3	4	4	5	3	2	1	1	1	1	1	2	2	2	5
15	2	2	2	1	0	1	1	2	3	2	2	4	3	3	3	3	2	2	1	0	1	1	2	3	2	4
16	2	1	1	2	1	3	1	0	1	1	5	5	4	4	5	4	3	4	2	3	2	0	0	1	2	5
17	2	1	1	1	1	1	0	2	2	1	1	4	3	2	3	4	3	2	2	1	0	0	0	0	2	4
18	0	1	0	0	(CM)	(CM)	1	1	1	1	2	4	4	2	2	2	2	2	0	0	1	1	0	0	1	4
19	(CM)	0	0	2	2	1	2	2	2	2	1	2	3	4	1	2	2	1	0	0	0	0	0	0	1	4
20	1	0	(CM)	0	2	1	1	(CM)	0	0	2	3	3	2	2	2	3	0	(CM)	1	1	(CM)	(CM)	(CM)	1	3
21	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	0	(RF)	2	2	2	4	3	3	2	0	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	( )	4
22	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	2	3	3	3	2	3	3	3	3	2	1	1	1	1	1	1	2	3
23	1	1	2	3	1	1	2	3	4	2	1	1	3	4	4	4	3	3	3	2	0	1	0	1	2	4
24	0	0	1	2	2	2	1	4	3	1	0	1	1	2	1	1	2	2	0	1	1	1	1	1	1	4
25	2	1	2	2	2	2	4	4	3	2	2	1	4	4	4	3	3	3	1	2	1	0	1	1	2	4
26	1	1	1	1	1	1	1	2	2	1	3	3	4	4	3	3	3	3	3	1	1	0	1	1	2	4
27	2	1	1	1	2	3	2	4	5	4	5	4	4	4	4	3	3	3	3	2	3	2	2	2	3	5
28	2	1	1	1	1	2	0	0	1	1	4	0	6	5	5	4	4	3	2	2	2	0	1	1	2	6
29	2	2	2	3	3	2	2	2	4	3	3	3	2	2	2	2	1	0	1	0	1	1	1	2	2	4
30	1	1	2	2	1	1	2	2	1	1	3	4	4	4	4	4	2	2	1	1	1	1	1	0	2	4
31	0	0	1	1	2	3	3	2	3	2	2	2	2	2	3	3	2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	2	3
AV	2	1	2	2	1	2	2	2	2	2	2	3	3	3	3	3	2	2	1	1	1	1	1	1	2	
PK	3	4	4	4	3	3	4	4	5	4	5	8	7	8	5	4	4	4	4	3	3	4	4	3		8

II B-743

(06/18/79-RPI)

WIND SPEED @ 10M
METERS/SEC

C3-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	4	2	2	3	4	3	3	3	5	8	11	9	9	8	6	5	7	7	5	5	5	3	3	3	5	11
2	3	2	4	2	2	2	2	2	2	1	1	1	1	3	3	5	5	5	3	3	3	2	2	3	3	5
3	4	3	2	3	2	1	1	2	2	2	1	2	3	4	3	3	3	3	2	1	2	1	1	(CM)	2	4
4	0	(CM)	1	1	1	1	1	0	1	1	1	2	3	3	2	2	2	2	1	2	2	1	1	1	1	3
5	1	1	1	1	(CM)	1	1	2	2	1	1	1	1	2	1	2	2	1	1	1	2	1	1	0	1	2
6	1	1	1	1	0	1	1	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	(CM)	1	1	2
7	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	5	5	4	3	2	1	3	4	3	2	5
8	4	1	1	1	3	3	3	3	1	1	4	7	8	7	6	6	3	4	3	1	1	1	1	0	3	8
9	1	1	2	2	1	1	1	1	1	1	1	2	2	3	4	4	4	4	3	2	(CM)	1	1	1	2	4
10	(CM)	0	1	1	1	1	0	1	1	1	2	3	3	3	3	3	3	3	2	2	1	1	1	1	2	3
11	2	1	1	2	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	5	5	4	4	2	2	2	1	1	2	5
13	1	1	1	1	2	1	1	1	1	1	1	1	2	2	3	3	3	3	2	2	1	1	1	2	2	3
14	1	2	1	2	1	1	0	1	1	1	1	2	2	3	3	3	3	2	2	2	1	2	1	1	2	3
15	1	1	1	1	1	1	1	1	2	2	3	5	4	4	5	4	4	3	2	2	2	3	2	2	2	5
16	1	2	4	4	3	2	2	1	1	6	7	6	7	8	8	6	6	7	2	4	4	2	4	2	4	8
17	4	2	1	4	3	2	2	4	4	4	5	6	4	4	3	4	3	3	2	2	2	1	1	1	3	6
18	1	0	1	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	2	1	1	1	2	2	2	3
19	(CM)	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2	2
20	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	3	3	1	1	1	1	1	1	(CM)	2	3
21	1	(CM)	1	1	(CM)	1	1	1	1	1	1	1	1	2	3	2	3	2	(CM)	2	1	1	1	1	1	3
22	1	1	1	2	3	3	4	4	5	5	5	4	4	4	4	5	5	3	2	1	2	1	1	2	3	5
23	1	1	1	1	1	1	1	2	4	1	1	2	3	4	4	4	4	4	2	2	1	1	1	1	2	4
24	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	2	3	4	4	3	2	2	2	1	2	4
25	1	3	2	2	1	1	1	2	1	2	2	3	4	4	5	3	5	4	4	4	4	4	2	1	3	5
26	1	1	1	2	1	1	1	1	1	3	4	5	6	6	4	5	5	4	5	2	1	3	3	2	3	6
27	5	7	2	3	2	7	5	6	7	7	5	8	7	4	6	8	8	5	6	6	7	6	4	5	6	8
28	6	5	5	5	2	2	1	1	2	4	6	7	9	8	6	7	4	3	2	2	2	1	2	1	4	9
29	3	3	4	4	5	8	6	4	4	4	5	6	5	4	4	4	2	2	2	2	2	1	1	1	4	8
30	1	1	1	1	2	3	3	3	3	3	4	5	6	6	5	4	5	3	4	3	1	3	2	1	3	6
31	2	2	2	2	2	3	6	5	3	4	4	5	5	4	4	4	3	2	1	2	2	2	1	1	3	6
AV	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	3	3	2	2	2	2	1	2	
PK	6	7	5	5	5	8	6	6	7	8	11	9	9	8	8	8	8	7	6	6	7	6	4	5		11

(06/18/79-RPT)

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(IM)	(IM)	(IM)	(IM)	4	(IM)	(IM)	(IM)	4	10	14	12	11	9	5	(IM)	7	8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	14
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	( )	( )
4	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	5	(IM)	(IM)	(IM)	(IM)	(IM)	4	(IM)	( )	5
8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	8	10	8	7	6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	10
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	( )	( )
10	(CM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
12	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	3	(IM)	(IM)	(IM)	(IM)	(IM)	( )	3
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	8	9	8	8	10	11	6	8	8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	11
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	6
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
19	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	( )	( )
21	(IM)	(CM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	5	5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	5
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	11
24	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	4	(IM)	(IM)	(IM)	(IM)	( )	4
26	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	7	7	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	7
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	8	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	8
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	( )	( )	4	( )	4	( )	( )	( )	11	10	14	12	11	10	11	6	8	8	3	4	( )	( )	4	( )		( )

(06/18/79-RPI)

II B-745

WIND SPEED @ 60M
METERS/SEC

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	5	3	3	4	6	4	4	5	6	9	12	10	10	8	6	6	8	8	6	7	7	5	5	4	6	12
2	4	4	6	2	3	2	2	2	2	1	1	1	1	3	3	6	6	6	4	4	3	3	3	4	3	6
3	5	3	3	3	3	2	2	2	2	2	2	2	3	4	3	3	3	3	3	1	1	0	(CM)	1	3	5
4	1	(CM)	1	1	1	1	(CM)	1	0	1	1	2	4	3	2	3	2	2	2	2	3	2	1	1	2	4
5	0	1	1	1	1	1	2	3	2	1	2	1	1	2	1	1	2	1	1	1	2	1	1	1	1	3
6	1	1	1	1	(CM)	(CM)	1	2	1	1	1	1	1	2	3	1	2	1	1	2	2	2	1	2	1	3
7	1	0	(CM)	(CM)	1	2	1	(CM)	1	2	1	1	2	1	2	6	6	6	6	3	2	4	6	4	3	6
8	5	3	4	4	6	6	5	5	2	1	4	8	9	7	7	7	3	5	3	2	2	1	1	1	4	9
9	2	1	2	2	1	1	1	1	1	1	1	2	2	4	4	4	5	5	4	3	1	0	(CM)	(CM)	2	5
10	1	1	(CM)	1	2	1	1	0	1	1	2	3	3	3	3	3	3	3	3	3	3	1	1	1	2	3
11	1	1	1	2	1	1	0	1	1	1	1	1	1	2	1	2	2	2	2	3	2	1	1	1	1	3
12	1	(CM)	(CM)	0	0	0	1	1	0	1	(CM)	1	2	3	3	5	5	6	6	4	1	1	1	1	2	6
13	2	1	1	(CM)	1	1	1	1	1	1	1	1	2	1	3	3	3	4	4	3	4	1	1	1	2	4
14	0	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	3	2	1	1	1	1	1	3
15	1	1	1	1	0	1	(CM)	1	2	2	3	5	5	5	5	4	4	4	2	3	2	3	3	3	3	5
16	2	3	6	5	4	4	3	2	3	7	9	8	8	9	10	7	8	8	3	5	5	3	5	3	5	10
17	5	3	3	6	3	3	3	6	6	4	6	7	4	4	3	4	3	4	3	3	2	1	1	2	4	7
18	2	2	1	1	2	2	2	2	2	2	3	4	3	3	3	3	3	3	2	1	2	1	2	2	2	4
19	0	1	2	2	2	2	1	1	1	1	1	1	2	3	2	2	3	3	2	2	2	2	2	1	2	3
20	1	1	1	2	1	1	1	1	2	3	4	3	3	3	3	3	3	1	2	3	2	1	1	1	2	4
21	1	1	(CM)	1	1	1	1	0	1	1	1	1	1	2	3	2	4	4	1	2	2	1	2	2	1	4
22	2	2	2	3	4	4	5	5	5	6	5	4	5	4	5	6	6	4	3	2	2	1	1	1	4	6
23	1	1	1	1	1	1	1	1	9	1	1	2	4	4	5	5	4	4	3	3	1	2	1	1	2	9
24	1	1	0	1	1	2	1	1	1	1	1	1	2	2	1	2	3	5	6	6	4	4	4	4	2	6
25	4	6	5	4	3	3	2	1	1	2	2	3	5	5	5	3	5	5	6	7	5	5	3	1	4	7
26	1	1	1	2	1	2	1	1	2	4	5	5	7	7	4	6	6	5	7	3	1	4	4	4	3	7
27	7	9	3	5	3	10	8	7	8	7	6	9	8	5	7	9	9	6	7	9	8	8	6	7	7	10
28	8	6	7	7	3	3	2	3	3	4	6	8	10	10	7	8	4	3	2	2	3	1	3	2	5	10
29	5	4	5	5	7	11	8	5	5	5	6	7	6	4	5	5	3	3	2	3	3	2	3	1	5	11
30	1	2	1	2	5	5	6	5	3	4	4	6	7	7	6	5	6	4	5	5	1	4	3	2	4	7
31	3	2	2	2	3	4	7	6	3	5	5	6	5	4	4	4	3	2	1	2	1	2	1	1	3	7
AV	2	2	2	3	2	3	3	2	3	3	3	4	4	4	4	4	4	4	3	3	3	2	2	2	3	
PK	8	9	7	7	7	11	8	7	9	9	12	10	10	10	10	9	9	8	7	9	8	8	6	7		12

(06/13/79-RPI)

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD42 PERIOD(3/01/79 TO 3/31/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
21	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
22	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
23	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
24	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
29	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
30	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	0	5	6	6	6	9	4	3	4	2	3	2	2	2	4
31	1	1	2	3	3	9	5	4	3	4	4	5	4	4	4	4	2	1	2	1	2	1	1	0	3
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 38

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD56 PERIOD(3/01/79 TO 3/31/79)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	2	2	1	1	2	3	3	2	2	3	4	4	3	3	3	2	2	2	2	3	2	3	3	2
2	3	3	3	1	1	1	1	1	1	1	1	2	3	3	4	5	5	2	1	2	2	1	2	3	2
3	3	2	1	1	2	1	1	1	1	2	2	3	3	3	3	3	2	2	2	1	1	1	1	1	2
4	1	2	2	2	2	2	1	1	1	1	2	5	3	3	3	2	3	1	2	2	2	1	1	2	2
5	1	1	2	1	0	1	1	2	2	1	3	4	2	2	2	2	1	1	1	1	2	1	1	0	2
6	1	1	1	1	1	1	1	1	1	2	1	1	3	3	3	2	1	1	1	1	1	1	1	1	1
7	2	2	1	1	1	1	1	0	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1
8	2	2	2	2	2	2	2	2	1	1	3	4	5	6	6	4	3	2	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	2	2	1	3	3	3	3	4	3	4	3	2	2	1	1	1	1	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	1	1	1	1	1	1	2
11	2	2	2	2	2	2	1	1	1	3	3	3	3	3	3	3	2	1	2	2	2	2	2	1	2
12	2	2	2	2	2	2	2	1	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
13	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	3	3	3	2	2	2	2	2	2	2	
14	2	2	2	2	2	2	1	1	1	4	4	3	3	2	2	2	2	1	1	1	1	1	1	1	2
15	1	1	2	2	2	2	1	1	2	3	3	4	3	3	3	3	2	2	1	1	1	1	1	1	2
16	1	1	1	2	2	1	1	1	2	4	4	5	5	5	5	5	3	3	1	2	1	1	1	1	2
17	1	1	1	1	1	1	1	2	1	3	3	3	2	3	4	3	3	2	1	1	1	0	1	2	2
18	2	1	1	0	0	1	2	2	2	3	3	3	2	2	3	3	3	2	1	1	0	1	1	0	2
19	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	2
20	0	0	0	2	1	1	0	1	1	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	1
21	0	0	0	1	1	2	0	1	1	2	2	2	2	2	2	2	1	1	1	0	4	4	4	4	2
22	4	4	4	1	1	1	1	2	4	4	3	4	3	4	5	5	3	1	2	1	4	4	0	4	3
23	4	4	4	4	4	4	4	4	4	2	2	3	4	4	4	3	2	2	3	2	1	1	2	1	3
24	1	2	1	1	1	1	3	3	3	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2
25	2	2	2	2	2	2	2	3	3	3	2	2	3	3	3	3	3	1	1	1	2	1	1	1	2
26	1	1	1	1	1	1	1	2	2	3	3	4	5	4	2	4	3	2	1	1	1	1	1	2	2
27	2	2	1	1	3	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	1	1	1	2
28	1	1	2	1	1	1	1	1	1	3	3	4	9	4	4	3	2	2	2	1	0	1	1	1	2
29	1	2	2	2	2	4	2	2	2	2	2	3	2	3	2	1	2	1	1	RF	RF	RF	RF	RF	2
30	RF	RF	RF	RF	RF	RF	RF	RF	1	1	3	4	5	5	4	3	2	1	1	1	1	1	1	1	2
31	1	0	1	1	1	2	2	2	2	4	4	4	3	4	3	3	2	1	1	1	1	1	1	0	2
MEAN	2	2	2	1	1	2	2	2	2	2	3	3	3	3	3	3	2	2	1	1	2	1	1	1	2

TOTAL NUMBER OF OBSERVATIONS = 701

WIND DIRECTION @10M
DEGREES

CB-TRACT
TRAILER A820
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	95	107	130	125	100	115	122	132	100	85	(VA)	185	173	178	170	163	150	133	118	100	85	83	93	110	123
2	120	115	95	107	100	90	110	125	118	105	105	265	260	13	350	350	320	310	275	295	(VA)	342	285	320	43
3	350	355	335	295	300	100	95	105	97	275	273	280	305	315	325	335	347	5	47	110	140	115	115	137	6
4	130	135	137	115	125	110	100	102	137	115	295	310	315	330	330	348	10	40	100	120	135	135	110	140	100
5	125	135	140	105	310	(VA)	115	110	290	287	100	92	120	120	280	280	330	315	355	95	93	105	125	137	104
6	115	125	122	115	90	27	80	310	(VA)	100	(VA)	(VA)	(VA)	325	(VA)	285	342	45	85	100	90	100	105	(VA)	80
7	115	95	100	70	100	300	115	(VA)	42	115	105	105	105	(VA)	120	185	140	100	100	90	100	115	115	105	105
8	85	95	95	95	100	100	100	95	100	(VA)	295	285	281	322	352	340	(VA)	38	100	(VA)	75	70	88	115	72
9	115	120	100	107	100	110	95	75	(VA)	(VA)	287	275	290	330	327	345	345	330	360	(VA)	110	130	115	103	65
10	110	115	135	125	130	130	127	127	65	5	98	115	100	110	115	122	130	135	85	100	135	107	133	137	115
11	137	132	130	137	305	105	105	88	110	295	290	293	285	285	280	280	285	335	113	105	100	118	108	90	112
12	105	100	100	(VA)	(VA)	100	110	105	125	295	287	310	290	(VA)	(VA)	210	210	(VA)	110	70	107	100	105	100	110
13	108	130	110	115	100	125	120	135	140	130	283	325	302	287	360	55	10	12	45	110	100	100	105	95	90
14	105	115	115	103	103	110	130	140	122	(VA)	290	280	275	270	270	275	290	295	17	90	115	105	98	115	117
15	113	120	105	(VA)	(VA)	102	95	118	125	130	103	205	180	130	165	200	215	230	95	90	100	105	122	110	133
16	115	112	115	105	105	115	105	90	105	(VA)	175	205	212	215	215	198	198	180	100	143	120	105	150	(VA)	142
17	100	(VA)	275	100	300	73	65	115	145	(VA)	(VA)	200	225	220	285	285	300	350	335	355	112	95	75	63	55
18	92	107	90	10	45	27	320	305	290	282	275	272	275	310	325	348	360	40	55	348	305	315	357	57	346
19	85	90	102	100	125	130	135	123	120	133	210	265	260	313	(VA)	(VA)	50	75	5	345	20	100	60	110	93
20	90	65	92	95	283	260	290	80	(VA)	(VA)	155	120	135	215	150	180	140	90	120	110	100	115	95	80	113
21	80	82	90	95	93	92	92	92	120	(RF)	278	275	267	267	295	260	285	80	85	340	60	50	95	100	73
22	100	70	88	300	290	290	287	290	310	310	310	310	315	303	325	318	318	305	18	60	105	105	110	95	336
23	110	115	112	130	115	95	110	130	133	125	105	260	290	290	300	315	335	290	355	75	95	85	85	105	95
24	75	95	115	135	137	140	113	135	135	115	(VA)	325	(VA)	250	(VA)	150	170	205	(VA)	65	85	105	95	95	120
25	98	100	115	108	110	110	130	140	118	90	150	135	147	153	155	185	220	310	(VA)	35	(VA)	(VA)	90	108	124
26	115	110	110	110	115	115	103	123	140	105	213	213	203	205	332	205	235	195	145	(VA)	105	90	107	105	138
27	110	110	92	105	107	100	90	105	137	145	155	180	165	107	120	120	135	115	90	90	110	125	(VA)	160	120
28	140	117	75	65	115	280	(VA)	90	95	163	200	167	190	190	163	175	215	280	315	285	300	70	66	75	144
29	155	120	108	95	115	165	147	170	130	138	170	160	150	185	225	290	90	120	140	85	75	80	110	130	133
30	140	115	130	135	95	110	118	117	115	(VA)	135	135	195	205	220	240	195	165	225	80	325	350	90	120	141
31	120	120	120	120	120	120	123	123	123	123	320	345	355	330	360	330	355	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	79
FV	108	108	108	105	103	106	108	113	117	120	218	244	239	260	287	262	288	22	70	77	95	95	100	106	99

(06/18/79-RPI)

WIND DIRECTION @ 10M
DEGREES

C8-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	171	142	129	130	150	113	95	132	169	176	180	182	184	182	183	175	167	177	173	173	172	150	154	149	159
2	144	164	186	144	129	305	215	145	192	232	302	329	332	354	4	349	338	335	298	301	357	351	327	324	311
3	354	348	316	305	279	257	255	256	294	316	334	326	322	329	320	305	315	322	327	190	206	175	21	(VA)	304
4	32	(VA)	335	266	206	269	229	328	76	29	354	340	327	353	318	351	22	23	75	162	179	269	189	244	327
5	192	103	157	66	(VA)	109	128	121	54	95	104	79	52	20	54	328	308	298	301	186	134	91	84	56	96
6	131	129	68	149	341	98	237	270	283	39	333	327	347	327	338	321	331	350	101	147	191	168	(VA)	218	339
7	231	184	321	273	111	162	60	76	58	67	10	357	295	189	169	190	193	190	191	138	114	127	169	181	153
8	176	137	186	202	194	189	187	198	101	3	277	270	270	291	331	352	7	14	24	3	56	294	298	284	282
9	135	242	229	230	254	4	35	43	37	311	344	312	315	323	340	340	7	341	342	352	(VA)	218	215	69	323
10	(VA)	263	123	144	194	240	149	123	44	349	147	138	127	137	151	138	150	173	190	196	98	39	127	106	143
11	99	125	80	120	251	249	267	62	65	3	336	342	339	339	351	331	300	289	242	233	217	93	265	236	312
12	352	8	257	222	175	219	95	34	40	8	357	272	225	217	194	210	197	195	195	331	86	144	160	150	199
13	97	84	31	148	201	84	140	91	85	357	19	345	336	4	341	16	16	22	44	111	109	242	307	228	45
14	52	202	55	199	165	12	357	207	6	338	309	325	325	297	295	288	295	287	262	227	257	214	117	358	297
15	225	159	73	242	296	300	21	103	130	69	162	191	188	195	189	196	203	206	170	154	179	165	137	117	172
16	92	150	175	172	173	93	49	320	62	197	189	199	199	200	203	204	204	191	47	176	186	138	202	187	176
17	181	226	138	176	235	179	139	194	183	192	193	190	215	205	258	255	247	338	357	314	318	225	230	258	219
18	260	328	254	230	269	275	252	282	289	287	293	320	318	313	333	333	345	9	27	339	292	278	252	261	297
19	(VA)	199	207	196	172	154	128	113	115	51	211	316	322	313	332	335	38	48	9	251	249	226	254	57	240
20	69	37	62	71	302	13	287	96	32	181	171	136	195	194	188	184	165	89	64	64	125	149	181	(VA)	121
21	201	(VA)	91	127	(VA)	184	219	170	70	311	325	294	306	313	302	285	228	223	(VA)	199	227	62	136	123	225
22	134	195	243	261	282	276	289	304	321	327	323	323	306	321	331	332	332	321	306	257	233	226	244	230	297
23	208	206	217	115	132	147	135	69	77	77	8	337	322	309	298	305	329	292	337	54	165	279	283	322	321
24	172	302	120	157	163	133	202	74	57	2	2	12	299	309	286	269	215	206	196	192	196	191	113	219	193
25	132	199	207	260	292	135	73	62	42	235	214	179	170	167	180	234	233	240	209	199	248	224	223	104	202
26	135	170	205	200	29	218	65	55	191	212	206	202	207	203	266	211	208	183	185	181	113	152	189	134	183
27	169	179	182	186	157	165	168	164	173	178	177	183	186	162	175	175	179	171	173	183	180	193	192	195	177
28	190	204	205	200	154	169	191	221	133	192	190	188	193	195	179	185	179	225	253	267	278	143	158	94	191
29	161	131	177	158	181	203	190	184	165	186	189	189	185	197	210	213	206	227	196	195	187	127	168	112	182
30	147	141	103	115	190	192	191	191	190	182	165	184	204	208	212	211	204	206	196	179	355	221	202	141	184
31	173	183	305	298	292	308	323	334	323	318	336	356	350	343	335	339	335	339	276	216	199	158	258	219	303
PV	153	172	167	185	206	195	170	120	79	334	282	286	275	271	277	274	261	270	250	200	187	185	199	174	230

II B-750

(06/18/79-RPI)

WIND DIRECTION @ 30M
DEGREES

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	173	149	133	129	149	117	100	135	171	179	183	185	187	184	186	178	168	179	175	175	174	153	154	147	161
2	145	162	169	146	131	293	216	153	192	221	295	329	336	354	4	349	338	336	300	306	357	352	327	322	308
3	354	349	318	308	283	266	272	263	296	316	334	326	322	327	323	304	314	319	327	152	208	143	45	(VA)	310
4	53	(VA)	44	297	234	49	265	351	79	53	1	341	330	353	318	351	23	24	72	153	166	208	224	258	358
5	31	59	157	47	(VA)	109	126	131	64	101	108	84	57	22	65	328	310	297	302	175	137	105	94	105	82
6	130	128	118	158	341	108	234	278	275	53	336	323	351	326	338	322	331	353	99	136	184	178	(VA)	224	331
7	251	157	274	283	105	153	144	90	67	74	15	10	291	189	173	193	196	193	194	154	141	145	194	193	169
8	180	167	192	196	197	193	192	204	152	356	276	270	270	292	332	352	9	13	25	5	54	33	309	333	239
9	120	264	244	245	264	355	28	41	37	324	342	307	315	323	341	340	7	341	343	353	(VA)	192	198	23	331
10	(VA)	291	(VA)	135	173	279	106	146	65	12	136	138	130	139	153	141	152	173	186	195	150	54	136	132	142
11	112	132	100	122	259	218	278	49	74	13	336	343	336	338	351	331	300	290	249	247	231	86	176	208	310
12	350	26	355	231	175	228	108	71	59	22	6	251	227	220	193	212	200	197	197	295	82	134	145	153	182
13	116	94	19	184	212	93	134	82	94	25	20	348	337	358	339	16	17	22	44	106	111	166	358	239	53
14	54	195	50	204	181	42	21	151	59	346	307	324	321	297	296	289	296	289	273	238	281	224	127	23	315
15	166	175	84	245	319	161	30	100	131	76	164	193	190	197	192	199	206	209	173	156	174	167	138	118	165
16	93	156	173	166	170	105	58	353	67	199	193	203	203	203	206	206	206	195	47	177	189	190	204	193	176
17	184	225	143	180	235	181	148	198	186	193	196	193	217	208	259	259	251	339	357	317	320	232	227	262	221
18	273	332	280	241	272	278	256	283	288	286	294	319	318	313	332	335	345	9	28	342	295	281	251	258	300
19	(VA)	182	205	195	172	147	131	115	117	58	183	314	323	314	333	336	39	50	12	261	252	230	256	68	210
20	71	43	69	79	303	26	286	104	59	181	173	138	195	197	189	186	167	100	82	81	110	122	136	(VA)	120
21	140	(VA)	94	111	(VA)	135	156	123	87	304	322	295	307	309	304	286	230	223	(VA)	208	221	202	180	172	209
22	178	207	230	255	287	281	294	309	325	332	327	326	308	323	331	331	331	324	318	293	281	279	307	280	299
23	271	268	275	24	345	330	341	18	27	82	10	335	320	309	298	307	325	293	335	53	154	294	299	65	333
24	145	33	109	143	144	145	212	82	68	11	1	13	297	309	273	245	219	208	199	196	195	193	167	215	134
25	173	202	206	223	190	194	109	81	55	232	214	180	170	169	182	224	236	243	213	203	251	229	224	120	197
26	126	144	199	202	35	196	106	62	194	216	208	205	210	203	265	210	208	182	186	184	105	149	187	143	180
27	172	180	184	185	164	164	165	164	173	179	177	184	186	160	174	176	179	172	174	183	181	193	194	195	177
28	192	205	206	201	165	173	196	225	138	193	189	188	193	195	179	185	181	223	255	261	281	173	164	95	194
29	162	135	176	168	182	204	191	182	162	186	190	190	185	198	209	212	207	225	198	196	191	149	178	121	184
30	158	170	113	130	192	192	191	191	191	182	164	185	204	207	212	212	204	204	196	180	259	221	200	162	189
31	177	181	301	298	291	309	324	334	322	319	335	355	349	343	334	338	334	333	271	215	197	147	259	274	304
PV	145	167	166	189	211	176	169	113	94	6	281	283	275	271	275	272	262	269	253	201	193	179	194	176	223

II B-751

(06/18/79-RPI)

WIND DIRECTION @ 60M
DEGREES

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	192	172	155	153	167	139	124	156	191	199	206	210	212	210	211	203	194	204	201	200	199	179	180	173	185
2	171	192	217	174	159	310	241	195	220	246	313	353	356	21	30	15	4	2	327	335	23	17	354	350	328
3	20	15	345	335	312	297	303	293	323	341	359	352	348	354	351	331	340	346	354	148	229	150	(VA)	354	338
4	325	(VA)	114	347	225	157	(VA)	359	96	85	28	9	358	20	343	16	48	50	96	172	192	232	232	275	29
5	35	53	189	13	20	133	151	163	95	138	136	114	83	45	87	352	337	321	327	225	165	134	125	7	88
6	160	155	216	200	(VA)	(VA)	252	301	299	80	338	339	11	351	4	346	356	18	121	160	209	223	325	256	302
7	302	180	(VA)	(VA)	129	178	240	(VA)	88	102	36	16	290	224	201	220	222	220	220	198	187	185	222	232	205
8	206	217	222	226	223	220	219	231	221	15	302	298	300	321	3	21	38	43	53	36	87	123	340	17	305
9	143	266	271	275	294	19	50	66	63	344	7	338	343	352	10	9	36	10	12	22	26	200	(VA)	(VA)	2
10	7	328	(VA)	164	201	306	126	203	74	18	220	168	159	169	182	170	182	202	213	223	205	359	153	163	194
11	143	163	154	152	242	236	315	26	85	34	3	9	2	6	19	360	330	321	275	278	262	92	206	208	333
12	8	(VA)	(VA)	230	130	246	146	128	41	50	(VA)	294	256	250	215	241	229	226	225	301	101	151	173	188	209
13	130	48	22	(VA)	243	106	159	73	122	16	46	20	10	13	12	45	46	52	74	131	141	198	247	244	67
14	74	211	69	215	261	4	48	183	75	8	336	352	350	327	326	319	326	319	301	263	312	253	132	63	334
15	201	209	101	249	318	270	(VA)	125	160	108	198	222	218	225	220	227	233	236	202	186	203	197	168	147	202
16	122	187	200	191	197	139	79	23	100	228	222	229	230	232	235	236	232	225	61	210	219	213	234	227	206
17	214	254	192	211	265	217	190	228	215	223	225	223	245	237	288	288	281	8	27	347	350	265	257	292	252
18	306	4	310	262	304	309	285	313	318	316	324	349	347	343	2	6	15	39	57	13	325	311	281	286	331
19	343	228	234	224	199	173	161	146	146	88	216	341	351	344	357	8	79	79	42	288	282	255	285	40	297
20	101	72	99	107	322	65	311	153	66	212	203	169	225	226	219	215	197	131	113	111	135	150	166	18	147
21	96	70	(VA)	141	47	178	207	113	85	329	351	324	338	340	333	316	259	252	249	238	247	248	216	217	274
22	222	237	261	287	317	311	324	338	355	1	357	356	340	352	1	1	1	354	350	332	328	332	344	322	332
23	323	321	325	347	309	308	326	7	355	112	37	3	350	339	328	338	358	323	8	92	173	330	332	115	343
24	160	92	112	171	169	187	247	69	95	29	28	40	327	338	312	277	248	234	229	226	246	227	274	251	235
25	224	232	241	262	260	245	89	75	63	260	245	209	200	199	212	269	266	273	243	233	280	253	263	120	238
26	150	178	231	235	31	239	32	32	255	246	237	233	239	232	290	240	235	212	216	216	100	134	220	176	223
27	205	210	219	217	194	194	195	193	203	208	206	213	216	190	204	205	209	202	204	213	211	223	222	223	207
28	222	234	235	231	199	202	225	283	170	222	219	217	223	224	209	213	211	254	283	293	315	166	209	129	224
29	193	169	206	198	212	234	221	212	192	216	219	220	215	227	239	242	237	255	227	223	221	175	209	147	213
30	192	226	114	150	223	222	221	221	221	212	194	214	233	237	241	240	234	234	226	211	285	253	229	192	220
31	207	212	330	327	321	339	355	4	355	349	5	25	19	13	4	8	4	4	301	243	222	176	249	273	332
PV	178	202	207	219	243	229	220	137	106	359	294	310	301	300	305	302	291	298	278	230	227	209	232	223	266

(06/18/79-RPT)

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD42 PERIOD(3/01/79 TO 3/31/79)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
21	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
22	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
23	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
24	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
29	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
30	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	172	192	198	216	209	217	233	176	180	133	100	229	107	149	182
31	73	61	289	285	279	300	310	322	303	326	330	330	332	333	327	330	329	62	256	223	150	128	336	135	321
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 38

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD56 PERIOD(3/01/79 TO 3/31/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	98	169	99	117	325	154	144	125	124	148	170	176	142	163	172	142	129	133	108	95	107	73	108	110	129
2	102	125	87	106	67	166	78	117	80	60	106	29	320	337	347	327	288	284	235	316	340	337	313	294	20
3	328	301	258	238	205	187	83	93	87	315	331	325	325	300	324	326	336	299	161	168	124	179	169	163	273
4	163	147	118	163	162	164	172	114	95	52	95	315	313	25	315	312	11	65	161	136	138	98	142	121	117
5	115	135	120	164	76	333	102	67	51	297	66	59	57	46	57	316	290	309	246	136	94	94	53	88	71
6	111	14	71	133	161	171	149	350	322	98	310	324	327	318	334	303	323	78	161	180	162	118	162	168	105
7	162	155	159	175	118	177	161	142	80	77	64	60	80	124	61	163	126	96	114	125	122	189	56	137	122
8	122	165	156	150	133	124	139	138	85	104	308	307	236	313	319	347	317	345	144	200	161	119	169	153	148
9	170	165	57	164	158	130	178	53	48	320	313	316	271	336	308	124	328	308	307	170	159	162	87	165	160
10	162	164	137	115	116	150	109	92	60	38	56	118	91	77	116	108	197	123	159	121	124	141	120	117	117
11	106	145	175	181	166	161	153	118	100	86	309	310	310	306	305	312	307	99	171	173	170	112	163	119	153
12	84	171	155	169	165	151	151	158	64	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
13	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	23	31	23	25	112	151	164	166	155	156	
14	164	80	157	110	164	119	153	64	111	179	303	312	318	306	251	289	286	257	155	100	162	117	153	146	158
15	94	140	148	162	156	162	147	122	103	51	73	163	161	171	140	172	192	186	133	120	118	116	311	106	138
16	175	88	129	159	144	158	115	225	99	184	152	172	167	168	170	177	160	130	99	103	87	101	161	333	144
17	100	210	42	77	146	99	95	85	167	331	177	178	158	190	210	304	296	177	328	186	155	86	122	151	145
18	158	157	142	CM	CM	CM	CM	CM	CM	CM	316	309	302	324	315	301	317	328	71	208	CM	CM	CM	CM	301
19	CM	CM	68	76	119	93	101	106	56	121	180	308	264	298	207	27	174	178	176	196	186	88	172	176	141
20	79	186	77	325	305	321	297	63	303	35	109	83	87	163	157	152	84	66	79	93	71	99	CM	CM	79
21	CM	CM	CM	CM	CM	CM	CM	CM	CM	299	308	294	302	286	302	297	337	145	96	240	CM	CM	CM	CM	
22	CM	CM	CM	CM	CM	CM	CM	CM	298	294	281	288	296	300	314	303	304	290	178	156	CM	CM	CM	CM	287
23	CM	CM	CM	CM	CM	CM	CM	CM	CM	CM	60	321	311	305	314	308	41	212	32	77	160	115	165	157	23
24	RF	RF	RF	RF	RF	RF	RF	79	67	56	31	176	173	318	85	144	158	179	153	109	123	125	110	135	119
25	130	137	194	132	116	138	76	76	49	58	132	146	111	169	154	167	160	301	196	70	192	275	120	145	134
26	89	116	144	116	139	121	159	56	52	66	185	163	168	170	326	154	172	134	71	182	166	128	101	134	131
27	134	115	132	167	135	122	91	95	108	131	176	149	162	84	99	118	115	88	71	95	131	130	116	91	118
28	134	123	119	135	95	119	340	94	50	163	155	174	159	162	96	136	116	276	294	300	321	140	24	145	126
29	144	120	119	111	106	181	96	127	102	179	92	170	92	137	171	73	73	69	143	57	68	89	53	103	110
30	97	56	87	86	133	132	86	50	46	192	145	169	171	165	173	176	278	170	85	57	133	301	91	52	116
31	126	93	275	223	203	214	253	279	249	298	292	301	297	296	292	327	0	340	202	149	88	102	10	62	282
MEAN	124	136	125	141	139	147	125	96	74	74	90	257	237	279	307	293	322	128	138	138	133	118	118	130	129

TOTAL NUMBER OF OBSERVATIONS = 658

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AB20
MAR 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																							VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	95	107	130	125	100	115	122	132	100	85	***	185	173	178	170	163	150	133	118	100	85	83	93	110	132	2.6
2	120	115	95	107	100	90	110	125	118	105	105	265	260	13	350	350	320	310	275	295	***	342	285	320	355	0.5
3	350	355	335	295	300	100	95	105	97	275	273	280	305	315	325	335	347	5	47	110	140	115	115	137	322	0.6
4	130	135	137	115	125	110	100	102	137	115	295	310	315	330	330	348	10	40	100	120	135	135	110	140	107	0.9
5	125	135	140	105	310	***	115	110	290	287	100	92	129	120	280	280	330	315	355	95	93	105	125	137	117	0.4
6	115	125	122	115	90	27	80	310	***	100	***	***	***	325	***	285	342	45	85	100	90	100	105	***	74	0.4
7	115	95	100	70	100	300	115	***	42	115	105	105	105	***	120	185	140	100	100	90	100	115	115	105	113	1.1
8	85	95	95	95	100	100	100	95	100	***	295	285	281	322	352	340	***	38	100	***	75	70	88	115	342	1.0
9	115	120	100	107	100	110	95	75	***	***	287	275	290	330	327	345	345	330	360	***	110	130	115	103	359	0.5
10	110	115	135	125	130	130	127	127	65	5	98	115	100	110	115	122	130	135	85	100	135	107	133	137	117	2.1
11	137	132	130	137	305	105	105	88	110	295	290	293	285	285	280	280	285	335	113	105	100	118	108	90	211	0.2
12	105	100	100	***	***	100	110	105	125	295	287	310	290	***	***	210	210	***	110	70	107	100	105	100	128	0.5
13	108	130	110	115	100	125	120	135	140	130	283	325	302	287	360	55	10	12	45	110	100	100	105	95	94	0.8
14	105	115	115	103	103	110	130	140	122	***	290	280	275	270	270	275	290	295	17	90	115	105	98	115	193	0.3
15	118	120	105	***	***	102	95	118	125	130	103	205	180	180	165	200	215	230	95	90	100	105	122	110	145	1.5
16	115	112	115	105	105	115	105	90	105	***	175	205	212	215	215	198	198	180	100	143	120	105	150	***	171	1.9
17	100	***	275	100	300	73	65	115	145	***	***	200	225	220	285	285	300	350	335	355	112	95	75	63	260	0.4
18	92	107	90	10	45	27	320	305	290	282	275	272	275	310	325	348	360	40	55	348	305	315	357	57	315	0.9
19	85	90	102	100	125	130	135	123	120	133	210	265	260	313	***	***	50	75	5	345	20	100	60	110	116	0.4
20	90	65	92	95	283	260	290	80	***	***	155	120	135	215	150	180	140	90	120	110	100	115	95	80	148	0.9
21	80	82	90	95	93	92	92	92	120	***	278	275	267	267	295	260	285	30	85	340	60	50	95	100	****	****
22	100	70	88	300	290	290	287	290	310	310	310	310	315	303	325	318	318	305	18	60	105	105	110	95	322	1.5
23	110	115	112	130	115	95	110	130	133	125	105	260	290	290	300	315	335	290	355	75	95	85	85	105	37	0.2
24	75	95	115	135	137	140	113	135	135	115	***	325	***	250	***	150	170	205	***	65	85	105	95	95	131	1.2
25	98	100	115	108	110	110	130	140	118	90	150	135	147	153	155	185	220	310	***	35	***	***	90	108	133	1.7
26	115	110	110	110	115	115	103	123	140	105	213	213	203	205	332	205	235	195	145	***	105	90	107	105	167	1.1
27	110	110	92	105	107	100	90	105	137	145	155	180	165	107	120	120	135	115	90	90	110	125	***	160	125	2.7
28	140	117	75	65	115	280	***	90	95	163	200	167	190	190	163	175	215	280	315	285	300	70	68	75	188	1.1
29	155	120	108	95	115	165	147	170	130	138	170	160	150	185	225	290	90	120	140	85	75	80	110	130	140	1.5
30	140	115	130	135	95	110	118	117	115	***	135	135	195	205	220	240	195	165	225	80	325	350	90	120	166	1.2
31	120	120	120	120	120	120	123	123	123	123	320	345	355	330	360	330	355	***	***	***	***	***	***	***	61	0.7
VD	114	116	115	113	112	116	115	121	122	130	225	242	237	258	270	261	271	313	66	86	100	102	106	113	131	
VV	1.4	1.3	1.5	1.6	1.0	1.3	1.5	1.8	1.7	0.6	0.9	1.2	1.6	1.3	0.9	1.1	0.5	0.2	0.5	0.8	0.9	1.1	1.2	1.3		0.6

TOTAL NUMBER OF OBSERVATIONS = 657

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CR-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	171	142	128	129	150	113	95	131	168	176	180	182	183	181	183	175	166	177	173	172	171	150	154	148	166	4.8
2	143	164	185	143	127	304	214	145	192	232	301	328	332	354	4	349	337	335	297	301	356	351	326	323	325	1.0
3	353	348	315	305	278	256	255	256	294	316	334	326	321	328	319	304	314	321	327	189	206	175	21	***	311	1.7
4	32	***	334	265	206	269	229	327	75	29	354	340	327	353	318	350	22	22	74	162	178	268	188	244	332	0.6
5	101	103	157	65	***	109	127	121	53	94	103	78	51	20	54	327	307	297	300	186	134	90	84	55	83	0.5
6	131	129	68	148	340	98	236	269	283	39	333	326	347	326	337	320	330	349	100	147	191	168	***	218	324	0.2
7	231	184	320	273	111	162	60	75	57	66	10	356	295	188	169	189	192	190	190	137	114	127	189	180	174	1.2
8	176	137	185	201	193	189	187	197	101	2	276	269	269	291	331	351	7	13	23	3	56	293	297	284	288	1.2
9	135	241	225	229	254	3	34	42	36	310	344	311	314	322	340	339	7	341	341	352	***	218	215	68	330	1.2
10	***	262	123	144	193	239	149	123	44	348	146	137	127	136	151	138	150	172	190	195	98	38	126	106	148	1.3
11	98	125	79	120	251	248	266	62	64	3	335	342	338	338	350	331	300	288	242	233	217	93	265	235	298	0.4
12	352	8	257	221	175	219	95	33	39	8	357	272	224	217	193	209	197	194	194	331	85	143	159	150	201	1.0
13	96	83	30	148	201	83	139	91	85	356	19	345	335	3	341	15	16	21	43	110	108	242	306	223	34	0.7
14	52	201	54	199	164	11	357	206	5	337	309	324	324	297	295	288	294	287	261	227	257	214	116	357	288	0.9
15	225	159	72	242	296	299	20	103	130	69	162	190	187	195	189	195	203	205	170	154	178	165	136	117	177	1.8
16	91	150	175	171	173	93	48	320	61	196	189	199	198	199	202	203	203	191	46	176	186	188	201	186	189	3.4
17	181	226	137	176	234	178	139	194	182	191	192	190	214	205	257	254	246	337	356	314	318	225	230	258	211	2.0
18	259	327	253	230	269	274	252	281	289	286	293	319	317	313	333	333	345	8	26	339	291	278	251	261	305	1.5
19	***	198	207	195	171	153	128	112	114	50	211	315	321	313	332	334	37	47	8	250	249	226	253	56	283	0.2
20	68	36	61	70	302	13	286	95	32	181	170	135	194	194	187	183	164	89	63	63	125	148	189	***	154	0.9
21	200	***	90	127	***	184	218	170	69	310	324	294	305	312	302	285	227	222	***	199	226	61	136	123	248	0.6
22	133	195	242	261	282	276	288	304	321	326	322	322	306	321	330	332	331	321	305	256	232	225	244	229	306	2.5
23	207	206	217	114	131	147	135	69	76	77	7	337	322	308	298	304	328	292	337	54	163	279	282	322	320	0.8
24	171	302	120	156	163	132	202	73	56	1	2	12	299	308	286	269	214	205	195	192	196	191	112	218	206	0.7
25	131	198	206	259	292	184	72	61	42	234	213	178	169	167	180	233	233	240	209	199	248	223	222	104	206	2.0
26	134	169	204	199	29	218	64	55	190	212	205	201	206	203	266	210	208	182	185	181	112	151	189	133	196	2.4
27	168	178	182	185	157	165	167	164	173	178	177	183	186	161	174	175	179	171	172	182	179	192	192	194	176	5.6
28	190	204	204	200	154	168	191	220	132	192	189	188	192	194	178	185	178	224	253	266	278	142	157	94	192	3.5
29	161	130	176	168	180	203	190	183	165	186	189	188	184	197	209	212	205	226	195	194	187	126	167	111	186	3.4
30	146	140	103	114	190	191	190	191	190	181	164	183	203	207	211	210	204	205	195	179	354	221	201	140	193	2.8
31	172	183	304	298	291	308	323	333	322	318	335	355	350	343	335	339	334	338	276	215	198	157	257	218	322	2.0
VD	162	175	184	188	198	193	192	167	134	208	206	214	230	239	248	249	232	240	214	195	193	186	193	182	207	
VV	1.2	1.1	0.8	1.2	1.1	0.9	0.7	0.5	0.5	0.8	1.2	1.4	1.7	1.5	1.3	1.4	1.3	1.0	0.7	1.2	1.0	1.1	1.0	0.6		0.9

TOTAL NUMBER OF OBSERVATIONS = 733

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
30 METER LEVEL

C8-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	173	148	132	129	149	116	100	134	170	178	183	184	186	184	185	177	168	179	175	174	173	152	153	147	****	****
2	144	162	189	145	130	293	216	153	192	220	294	329	335	354	4	348	338	335	309	306	357	351	327	322	****	****
3	353	349	318	308	283	266	271	263	296	315	333	326	322	327	322	304	314	319	327	152	207	142	44	***	****	****
4	52	***	44	296	233	48	264	350	79	52	0	340	330	353	317	350	23	24	72	153	166	208	224	257	****	****
5	30	59	156	46	***	109	125	130	64	101	107	83	56	22	64	327	310	297	302	174	137	104	93	104	****	****
6	129	128	117	158	341	107	233	278	274	53	335	322	351	325	338	321	330	352	98	136	184	178	***	223	****	****
7	250	157	273	232	104	152	143	89	66	73	15	9	290	189	173	193	195	193	193	154	141	144	194	192	****	****
8	180	166	192	195	196	193	192	204	152	355	276	270	270	291	331	351	8	13	24	5	54	33	309	332	****	****
9	119	263	244	244	263	355	28	41	36	323	342	307	314	323	341	339	7	341	342	352	***	191	197	22	****	****
10	***	290	***	135	172	278	106	146	64	12	135	138	129	139	152	140	152	173	185	194	150	53	135	131	****	****
11	111	132	100	122	259	218	278	48	73	13	336	342	335	338	351	330	300	290	249	247	231	35	175	208	****	****
12	350	26	355	230	175	228	107	70	58	22	6	250	226	220	193	211	200	197	196	294	82	134	144	153	****	****
13	116	93	18	183	212	93	133	82	94	25	19	347	337	357	339	15	17	22	43	105	111	166	357	239	****	****
14	54	194	50	203	181	42	20	151	58	345	306	324	320	297	296	289	296	288	272	238	281	224	127	23	****	****
15	166	174	83	244	319	161	29	99	130	75	163	193	189	196	191	199	206	208	172	156	174	167	138	117	****	****
16	92	155	173	166	170	105	57	352	67	199	192	202	202	203	205	205	206	195	47	177	189	190	204	193	****	****
17	184	225	143	180	235	181	147	197	185	193	195	193	217	207	258	258	251	338	356	316	320	231	227	261	****	****
18	273	332	280	240	271	278	255	283	288	285	294	319	317	312	331	335	345	8	27	341	295	280	250	257	****	****
19	***	181	205	194	172	147	131	114	116	57	183	313	322	313	332	336	39	49	11	260	251	230	255	68	****	****
20	71	43	68	78	303	25	285	103	59	180	173	138	195	196	189	185	166	100	31	80	110	122	136	***	****	****
21	140	***	93	111	***	134	156	122	87	303	321	294	307	309	303	285	230	213	***	207	221	201	180	171	****	****
22	178	207	230	254	287	281	293	308	325	331	326	325	308	322	331	331	331	314	317	293	280	278	306	279	****	****
23	271	267	275	24	344	330	340	18	27	82	10	334	320	309	298	306	325	292	335	52	153	294	298	65	****	****
24	144	33	109	143	143	144	211	81	68	10	1	12	296	308	273	245	218	208	199	196	194	192	166	215	****	****
25	173	202	205	223	190	194	109	80	54	232	213	180	170	169	182	223	236	242	213	202	250	228	224	120	****	****
26	125	144	199	201	34	196	105	61	194	215	208	205	209	202	265	210	208	182	185	184	104	148	187	142	****	****
27	172	179	184	185	163	164	165	163	172	178	176	183	185	160	174	175	178	172	174	183	180	193	193	195	****	****
28	191	204	205	200	165	172	195	225	137	193	188	188	193	194	178	184	180	223	255	261	281	172	164	95	****	****
29	161	134	176	167	181	203	190	181	161	186	189	189	185	197	208	212	206	224	197	195	193	148	178	121	****	****
30	157	169	113	130	192	191	190	191	190	182	163	184	203	206	211	211	204	204	196	180	259	221	199	161	****	****
31	177	180	301	297	291	309	323	333	322	319	335	355	349	343	334	337	333	332	270	215	197	147	259	274	****	****
VD	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	
VV	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****

TOTAL NUMBER OF OBSERVATIONS = 41

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
60 METER LEVEL

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	192	171	154	152	167	139	123	155	190	199	205	209	211	209	211	203	193	204	201	200	199	179	179	173	191	5.9
2	171	191	216	174	159	309	241	195	219	245	313	352	355	20	29	14	3	1	327	334	22	17	353	349	341	1.1
3	19	15	344	335	312	297	303	293	323	341	358	351	347	354	350	331	339	345	353	147	229	149	***	354	342	2.2
4	325	***	113	346	225	156	***	359	95	85	28	9	358	20	343	15	48	50	95	171	191	232	232	275	24	0.5
5	35	52	188	12	20	132	151	163	94	137	136	114	82	45	86	352	337	321	326	224	165	134	124	7	107	0.5
6	160	154	215	199	***	***	251	300	298	79	337	339	11	350	3	346	355	18	121	159	203	222	324	256	316	0.4
7	302	180	***	***	129	178	240	***	88	102	36	15	289	223	201	219	221	219	219	197	197	184	222	232	213	2.2
8	206	217	222	226	222	219	218	231	221	15	302	297	299	321	2	21	37	42	53	35	86	123	339	17	293	1.5
9	142	266	271	275	293	19	49	65	62	343	7	337	343	351	10	8	36	10	12	21	26	199	***	***	3	1.6
10	6	328	***	163	200	305	126	203	74	17	220	167	159	169	181	170	182	201	212	223	204	359	152	162	187	1.4
11	142	162	153	151	241	235	314	25	84	33	3	8	2	6	19	359	329	320	274	277	262	91	206	208	318	0.3
12	8	***	***	229	130	246	145	127	41	49	***	293	255	249	214	240	229	225	224	300	100	150	172	187	232	1.5
13	130	47	22	***	242	106	159	72	122	16	45	19	10	13	11	45	46	51	73	131	141	198	246	243	69	0.9
14	73	210	69	215	261	3	48	183	75	7	335	352	350	326	325	319	325	319	301	262	311	253	132	63	325	0.8
15	201	209	101	248	313	269	***	125	160	107	197	221	218	225	220	226	232	236	201	186	202	196	167	147	208	2.3
16	122	186	199	191	196	139	79	23	100	227	222	228	230	231	234	235	231	224	61	210	218	218	234	227	217	4.2
17	214	254	191	210	264	216	189	228	215	222	225	222	245	237	288	288	281	8	26	347	349	264	256	291	242	2.6
18	305	4	310	261	303	308	285	313	317	315	323	348	347	343	1	6	14	38	57	12	325	311	280	286	337	1.8
19	342	227	234	223	199	173	160	145	145	88	216	341	351	344	356	7	69	79	42	288	281	255	284	39	314	0.3
20	100	72	98	106	322	64	311	152	66	212	203	168	225	226	218	215	196	131	113	111	134	149	165	18	173	1.0
21	95	70	***	140	46	177	207	112	85	328	350	324	337	340	333	316	259	252	249	238	247	248	216	216	272	0.7
22	221	237	260	286	317	311	323	338	355	1	356	355	339	352	0	1	0	354	349	331	328	332	344	321	340	3.2
23	322	321	325	347	309	308	325	6	355	112	36	3	350	339	328	337	357	322	8	82	172	330	332	114	348	1.9
24	159	92	112	171	169	186	247	69	94	28	27	39	327	337	312	276	247	234	229	226	246	227	273	251	244	1.4
25	224	232	240	261	259	244	88	75	62	259	244	209	200	198	211	268	265	272	242	232	280	253	263	120	241	3.1
26	150	178	231	234	31	239	32	32	254	245	236	232	238	231	290	240	235	212	215	215	99	184	220	176	228	2.3
27	204	209	219	216	194	194	194	193	202	208	206	213	215	190	203	205	208	201	204	213	210	223	222	222	208	7.1
28	221	233	234	230	199	202	225	232	169	222	218	216	223	223	208	212	210	254	282	292	315	165	209	128	223	4.3
29	193	168	206	197	212	233	220	212	192	216	219	219	215	226	238	242	236	255	227	223	221	175	209	146	216	4.5
30	191	226	113	149	223	221	220	221	220	211	193	214	232	236	240	239	234	234	226	211	285	252	229	191	225	3.9
31	207	211	329	327	321	339	354	3	355	340	5	24	19	13	4	7	3	3	301	243	221	176	248	273	352	2.4
VD	199	213	221	217	227	223	225	223	194	232	235	242	258	265	276	276	260	264	242	226	222	215	231	219	237	
VV	1.4	1.4	1.5	1.5	1.4	1.5	0.9	0.7	0.4	1.0	1.6	1.7	2.0	1.8	1.5	1.6	1.6	1.2	1.0	1.7	1.3	1.5	1.6	0.9		1.3

TOTAL NUMBER OF OBSERVATIONS = 727

NOTE: **** = MISSING DATA

SIGMA HORIZ. WIND DIR. @ 10M
DEGREES

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	9	13	17	35	7	10	9	10	10	9	10	11	11	11	13	12	9	8	6	6	7	8	8	10	11	35
2	9	18	10	10	17	22	20	21	24	29	20	17	20	18	13	9	8	9	8	7	8	8	7	8	14	29
3	8	7	7	7	8	8	12	8	9	12	14	16	15	14	15	15	14	11	6	22	6	23	21	18	12	23
4	23	13	21	13	11	16	12	18	17	15	14	21	13	15	14	14	11	6	9	12	15	19	26	23	15	26
5	20	13	23	19	15	22	9	10	9	21	22	26	24	16	20	11	9	13	7	12	15	9	15	26	16	26
6	13	7	14	18	18	33	25	11	11	17	13	17	23	14	13	14	7	7	12	15	10	26	20	16	16	33
7	20	10	25	16	8	19	20	16	14	16	19	38	36	37	23	10	9	10	10	23	16	14	11	21	18	38
8	9	28	23	25	10	7	8	10	35	21	12	12	13	11	11	11	14	11	10	12	14	24	14	33	16	35
9	13	17	7	7	11	11	12	10	17	23	21	21	20	16	13	12	11	3	6	7	17	11	13	21	14	23
10	13	21	19	17	21	24	17	20	16	11	25	22	17	13	17	15	14	7	6	8	30	22	25	19	17	30
11	7	12	23	8	22	27	16	20	12	10	9	8	9	9	11	11	9	7	7	7	7	29	26	26	13	27
12	14	21	25	12	16	8	17	20	14	12	10	47	34	26	37	11	10	10	8	24	11	20	19	27	19	47
13	28	13	24	25	8	12	16	20	14	37	22	26	22	18	14	11	9	6	8	11	16	22	30	12	13	37
14	24	21	12	12	13	26	12	23	15	11	11	11	9	11	10	9	9	8	8	9	13	6	18	15	13	26
15	13	9	22	27	26	27	11	9	10	18	28	13	14	16	15	15	12	11	10	8	11	14	12	15	15	28
16	15	14	7	6	6	21	16	28	31	16	13	16	15	13	12	12	13	11	20	16	8	14	9	24	15	31
17	8	16	26	9	15	16	16	11	10	12	11	11	13	19	23	15	13	11	8	8	7	10	16	9	13	26
18	9	11	14	6	8	9	7	8	10	10	10	11	11	13	10	10	11	8	8	9	6	7	8	8	9	14
19	10	34	8	10	7	13	10	15	22	25	46	19	22	18	17	17	14	10	8	7	7	11	9	22	16	46
20	8	9	7	9	13	14	9	31	21	33	14	16	21	14	18	10	8	11	9	9	10	7	7	6	13	33
21	12	14	10	9	20	14	10	14	17	12	11	13	12	11	9	10	12	11	16	17	22	29	16	8	14	29
22	10	13	10	9	9	9	10	10	9	9	9	10	9	10	9	9	9	8	7	9	7	9	19	7	9	19
23	14	6	8	11	14	23	17	9	10	19	20	21	19	12	12	11	14	9	11	9	16	13	17	34	14	34
24	10	27	19	17	11	22	20	8	13	25	18	15	22	27	34	37	16	10	8	7	30	23	27	39	20	39
25	45	7	18	39	31	32	17	9	15	26	29	20	18	15	12	30	15	12	9	8	16	11	28	23	20	45
26	13	25	22	14	20	25	30	14	35	15	14	14	15	14	24	21	14	11	9	9	16	9	14	13	17	35
27	13	6	24	13	13	7	6	9	10	10	15	14	13	19	15	11	9	10	11	10	9	12	16	14	12	24
28	11	14	11	10	22	15	17	25	16	16	14	12	11	11	12	11	10	15	13	24	11	32	14	20	15	32
29	12	16	7	7	9	10	11	15	13	15	14	12	12	16	13	12	15	12	9	8	10	13	15	15	12	16
30	14	15	7	10	13	9	9	9	12	11	11	11	11	12	14	15	12	12	9	11	19	13	13	11	12	19
31	7	10	11	7	9	8	10	10	13	9	10	9	12	12	11	11	12	15	13	7	16	16	15	26	12	26
AV	14	15	15	14	14	17	14	14	15	17	16	17	17	15	16	14	11	10	9	11	13	15	16	18	15	
PK	45	34	26	39	31	33	30	31	35	37	46	47	36	37	37	37	16	15	20	24	30	32	30	39		47

(06/18/79-RPI)

SIGMA HORIZ. WIND DIR. @ 60M
DEGREES

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	9	11	13	20	6	9	9	10	11	10	19	11	12	12	13	12	8	8	6	6	6	7	7	8	10	20
2	7	8	9	11	10	23	9	14	16	15	15	17	26	16	13	9	8	8	9	8	8	8	7	8	12	26
3	8	7	8	7	7	8	8	7	11	11	12	15	14	12	12	14	13	10	6	15	10	18	18	12	11	18
4	13	35	14	10	10	22	19	21	25	22	16	15	12	14	18	13	12	7	11	6	6	9	17	17	15	35
5	15	17	14	10	18	13	7	8	9	12	19	25	28	17	31	14	9	11	8	10	7	8	15	16	14	31
6	9	6	12	10	22	14	28	14	11	13	17	16	23	15	13	15	8	8	14	7	6	8	14	8	13	23
7	10	10	16	18	10	8	15	22	20	18	23	35	35	29	19	9	8	8	7	18	15	16	10	16	16	35
8	9	13	7	6	6	6	8	8	18	29	13	12	12	9	11	10	14	11	16	14	9	9	9	22	12	29
9	10	10	13	7	10	14	19	17	17	32	25	23	21	16	13	12	11	3	7	7	19	14	20	9	15	32
10	10	8	12	3	8	12	15	25	14	18	31	17	13	13	14	13	11	8	6	5	9	26	30	11	14	31
11	10	10	9	7	21	21	19	11	19	13	12	12	12	11	12	11	11	10	12	8	10	10	9	16	12	21
12	14	24	15	28	12	11	12	12	18	16	36	41	23	18	31	10	8	8	6	22	26	23	29	19	19	41
13	19	13	22	20	10	22	14	33	13	35	22	25	25	11	13	12	10	10	7	3	7	17	11	26	17	35
14	23	19	11	14	10	18	14	8	14	16	10	11	10	10	10	9	9	8	7	8	13	8	10	11	12	23
15	9	17	19	22	25	9	21	24	13	20	20	12	14	16	13	13	12	9	10	7	9	14	10	13	15	25
16	14	13	6	6	7	9	20	26	15	14	12	15	14	12	11	12	11	12	21	12	8	10	7	11	12	26
17	8	13	18	7	13	11	13	9	9	11	9	10	12	16	20	13	11	10	8	9	7	8	8	7	11	20
18	7	8	8	9	8	8	9	9	9	9	9	11	9	12	9	9	11	8	8	11	7	6	8	6	9	12
19	19	17	8	10	6	10	11	14	21	28	42	24	20	15	21	20	11	9	7	8	8	13	7	29	16	42
20	7	11	7	7	12	15	13	17	14	21	12	13	16	12	13	10	7	9	6	6	7	6	7	5	10	21
21	7	12	12	8	12	10	14	24	15	13	13	14	15	11	10	10	11	9	12	10	15	29	12	8	13	29
22	9	6	6	8	9	9	9	10	9	9	9	10	9	10	8	8	8	7	8	7	7	9	10	7	8	10
23	6	6	7	9	12	13	15	29	18	18	27	20	17	12	11	11	14	8	8	8	20	11	9	17	14	29
24	14	19	23	11	9	7	10	13	15	33	26	23	23	22	28	34	13	8	6	5	9	9	15	9	16	34
25	10	5	5	14	14	10	13	25	32	16	20	16	15	13	11	32	12	12	7	6	13	11	20	23	15	32
26	16	15	11	6	24	15	12	27	20	12	13	12	12	12	18	14	12	12	9	8	15	7	8	10	13	27
27	7	6	12	8	11	6	6	9	10	11	14	12	12	18	16	11	9	11	12	10	10	12	13	12	11	18
28	10	12	10	9	15	13	10	14	16	15	11	12	10	10	12	12	14	14	14	19	10	36	10	15	13	36
29	10	13	8	6	8	9	10	16	12	14	12	12	12	14	12	11	12	10	8	7	8	10	10	21	11	21
30	18	11	14	15	7	6	7	7	11	11	11	11	10	11	12	12	10	10	9	9	16	11	11	8	11	18
31	7	7	10	9	7	8	9	10	12	10	9	9	11	11	10	11	12	16	15	7	15	9	16	22	11	22
AV	11	12	11	11	12	12	13	16	15	17	17	16	16	14	15	13	11	9	9	9	11	13	12	14	13	
PK	23	35	23	28	25	23	28	33	32	35	42	41	35	29	31	34	14	16	21	22	26	36	30	29		42

(06/18/79-RPI)

TEMPERATURE
DEGREE C

LB-TRACT
TRAILER A820
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	2	3	3	3	1	3	4	4	6	7	7	7	7	7	7	6	6	3	3	4	3	3	3	4	7
2	3	3	3	3	3	3	1	2	3	4	4	5	6	4	5	4	4	3	2	2	7	1	1	0	3	7
3	-1	-1	-2	-3	-4	-5	-7	-7	-6	-3	-2	-1	1	1	2	2	2	1	-2	-4	-6	-8	-9	-9	-3	2
4	-10	-11	-11	-12	-13	-13	-13	-12	-10	-4	-1	1	2	2	3	3	3	2	-1	-2	-4	-6	-7	-7	-5	3
5	-7	-7	-5	-4	-5	-5	-4	-2	-2	-2	2	3	4	5	6	5	5	4	4	3	3	3	3	3	0	6
6	3	3	3	2	2	1	0	0	1	3	4	8	8	9	9	9	9	8	6	6	6	5	4	3	5	9
7	2	1	1	1	1	1	1	1	2	7	10	11	12	12	13	12	11	9	8	7	6	7	7	6	6	13
8	6	4	3	3	2	2	1	3	4	6	8	9	9	8	6	4	3	2	1	1	0	1	-1	-3	3	9
9	-4	-5	-6	-7	-6	-4	-3	-3	-2	-2	-1	0	1	2	3	3	3	2	1	-2	-3	-4	-5	-6	-2	3
10	-7	-8	-9	-9	-8	-9	-9	-8	-4	-1	3	4	5	6	6	7	7	0	2	1	-1	-2	-2	-3	-1	7
11	-3	-3	-4	-4	-7	-8	-9	-7	-3	1	4	6	8	9	10	9	9	9	4	2	1	0	-1	-2	1	10
12	-2	-3	-3	-5	-6	-6	-6	-3	-1	2	6	8	12	11	12	11	10	9	6	4	2	1	1	-1	2	12
13	-1	-1	-2	-2	-3	-3	-3	-1	2	6	8	9	9	9	11	11	11	8	7	4	1	0	-1	-1	3	11
14	-2	-3	-3	-4	-4	-5	-5	-4	-1	4	4	7	8	9	9	8	9	8	6	3	2	1	1	0	2	9
15	0	1	1	-1	-2	-3	-3	-1	2	6	7	8	9	9	9	9	9	9	6	4	3	3	3	3	4	9
16	1	1	1	0	1	0	-1	-1	2	8	11	11	11	11	11	9	9	8	7	7	6	5	4	3	5	11
17	3	3	3	2	2	2	2	1	3	4	6	7	7	7	7	7	7	6	5	4	3	2	2	1	4	7
18	-1	-1	-1	-1	0	0	0	1	1	1	2	2	3	4	4	5	5	4	4	3	3	2	2	2	2	5
19	2	2	1	1	1	0	0	-1	-1	1	3	4	5	7	7	7	7	7	5	3	3	2	3	2	3	7
20	2	2	2	2	2	2	1	2	2	3	3	7	7	8	8	7	6	4	4	4	4	3	3	3	4	8
21	3	3	3	3	3	2	1	1	2	(RF)	4	4	6	6	7	7	4	4	4	3	3	2	2	2	3	7
22	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	2	1	-2	-2	-3	-4	2	4
23	-4	-5	-5	-3	-4	-4	-4	-2	-1	2	4	6	6	6	6	6	6	4	3	3	2	1	0	1	1	6
24	-1	-2	-2	-3	-3	-3	-4	-2	1	4	6	8	9	9	9	10	0	0	8	5	4	2	2	2	3	10
25	2	1	1	0	-1	-1	-1	1	4	8	9	9	9	9	9	9	10	3	7	6	4	4	5	3	5	10
26	2	1	1	1	0	0	0	2	5	8	9	10	11	11	9	11	12	11	9	7	6	4	3	4	6	12
27	4	6	7	6	5	6	7	8	9	9	10	11	0	8	8	8	7	7	7	7	7	7	8	7	7	11
28	8	7	7	7	6	5	4	5	6	8	8	9	11	10	11	10	9	7	6	6	5	4	4	4	7	11
29	5	6	5	5	5	4	4	4	3	3	4	4	4	5	5	5	4	5	4	4	3	2	2	2	4	6
30	2	2	2	2	1	1	1	2	4	6	6	7	7	8	8	8	6	7	6	4	4	4	4	3	4	8
31	3	3	3	2	2	2	1	1	1	1	2	2	3	3	3	3	3	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	3
AV	0	0	0	0	-1	-1	-1	0	1	3	5	6	7	7	7	7	7	6	5	3	3	2	1	1	3	
PK	8	7	7	7	6	6	7	8	9	9	11	11	12	12	13	12	12	11	9	7	7	7	8	7		13

II B-761

(06/18/79-RPI)

TEMPERATURE @ 10M
DEGREE C

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	-1	-1	-1	-1	-1	1	2	3	4	4	3	3	3	1	0	-1	-1	-1	-1	-1	0	1	4
2	0	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	1	0	0	0	0	-2	-3	-3	-4	-4	-5	-5	-1	1
3	-6	-6	-7	-7	-8	-9	-9	-10	-9	-8	-6	-5	-4	-4	-4	-3	-4	-4	-5	-6	-7	-8	-9	-10	-7	-3
4	-10	-11	-10	-11	-11	-11	-12	-12	-10	-7	-4	-4	-3	-3	-2	-1	-2	-2	-3	-4	-5	-6	-7	-7	-7	-1
5	-7	-7	-6	-6	-5	-6	-6	-5	-5	-4	-2	0	1	1	2	2	1	1	0	0	-1	-1	-1	-1	-2	2
6	0	-1	-1	0	-1	-1	-1	-2	-2	0	1	4	5	5	6	6	5	5	5	4	4	3	3	3	2	6
7	2	2	2	1	2	2	2	2	3	5	7	8	8	9	9	8	7	6	6	5	5	5	6	5	5	9
8	5	4	3	3	3	2	2	2	3	4	6	6	6	5	2	-1	-1	-2	-3	-3	-4	-4	-5	-6	1	6
9	-6	-7	-8	-8	-8	-8	-8	-8	-8	-7	-6	-5	-4	-3	-3	-2	-2	-3	-4	-5	-6	-6	-7	-8	-6	-2
10	-8	-9	-9	-8	-9	-10	-9	-10	-7	-5	-2	-1	0	1	2	2	2	2	0	-1	-2	-2	-2	-1	-4	2
11	-3	-2	-2	-3	-4	-5	-6	-5	-3	0	3	5	6	7	8	8	8	6	4	2	1	2	1	0	1	8
12	-1	-1	-1	-2	-3	-4	-3	-3	-1	3	5	6	7	7	3	7	7	6	4	2	2	2	2	2	2	7
13	1	1	0	0	-1	0	0	0	1	4	5	6	4	(MT)	7	7	6	6	5	3	2	2	0	-1	2	7
14	-1	-1	-3	-2	-3	-3	-3	-2	-1	2	3	5	6	7	7	6	6	5	4	3	3	2	1	0	2	7
15	1	0	0	-1	0	-1	-1	0	1	3	4	4	4	5	5	6	6	5	4	3	3	3	2	2	2	6
16	1	1	2	1	1	1	1	0	3	7	7	7	7	7	7	6	6	4	3	3	1	1	0	0	3	7
17	-1	-1	-1	-1	-2	-2	-2	-2	-1	1	1	2	2	3	3	3	3	2	1	0	0	-1	-1	-2	0	3
18	-2	-2	-3	-3	-4	-4	-4	-4	-3	-3	-2	-2	-1	0	0	0	0	0	-1	-1	-2	-2	-3	-3	-2	0
19	-3	-2	-3	-4	-5	-6	-6	-6	-6	-5	-3	0	1	2	2	2	2	2	1	0	-1	-1	-1	-2	-2	2
20	-2	-3	-3	-2	-2	-3	-3	-3	-2	0	2	2	3	3	3	2	1	0	0	0	0	-1	-1	-1	0	3
21	-1	-1	-1	-1	-2	-2	-3	-3	-2	-1	0	0	1	2	2	2	0	0	-1	-1	-2	-2	-2	-2	-1	2
22	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	0	-1	-1	-1	-1	-2	-3	-3	-4	-5	-2	0
23	-5	-5	-6	-5	-6	-7	-6	-6	-4	-2	0	1	2	2	2	2	2	2	1	-1	-1	0	-1	-1	-2	2
24	-2	-3	-3	-4	-4	-4	-5	-5	-2	1	2	3	4	5	5	5	6	5	4	2	2	1	1	1	1	6
25	1	0	-1	-1	-1	-1	-1	-1	2	4	5	5	5	5	6	5	6	5	4	3	2	2	1	1	2	6
26	1	0	0	0	-1	0	-1	1	3	5	5	6	7	7	6	8	8	7	5	4	3	4	4	4	4	8
27	4	5	5	4	4	3	3	4	5	5	6	6	5	4	4	3	3	3	3	3	3	3	4	4	4	6
28	3	4	4	4	3	3	2	1	2	3	4	5	6	6	7	6	6	5	3	3	1	0	1	0	3	7
29	2	1	2	2	1	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	-1	-1	-1	-2	-2	-1	0	2
30	-1	-2	-2	-2	-2	-2	-2	-1	1	1	1	2	2	3	4	4	2	2	2	0	0	-1	0	0	0	4
31	-1	-1	-2	-2	-3	-3	-4	-4	-4	-4	-3	-3	-2	-2	-2	-2	-1	-2	-2	-4	-5	-5	-6	-6	-3	-1
AV	-1	-2	-2	-2	-2	-3	-3	-3	-1	0	1	2	3	3	3	3	3	2	1	0	0	-1	-1	-1	0	
PK	5	5	5	4	4	3	3	4	5	7	7	8	8	9	9	8	8	7	6	5	5	5	6	5		9

II B-762

(06/19/79-RPI)

TEMPERATURE @ 30M
DEGREE C

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-1	-1	-1	-1	-1	-1	-1	-1	1	2	3	3	3	3	2	2	1	0	-1	-1	-1	-1	-1	-1	0	3
2	-1	-1	-1	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	0	0	-1	-2	-4	-4	-4	-5	-5	-6	-2	0
3	-6	-7	-7	-8	-9	-9	-10	-10	-9	-8	-7	-6	-5	-5	-4	-4	-4	-5	-5	-7	-7	-8	-9	-9	-7	-4
4	-10	-10	-10	-11	-11	-11	-12	-12	-10	-7	-5	-4	-4	-3	-2	-2	-2	-2	-3	-4	-4	-6	-5	-6	-7	-2
5	-6	-6	-5	-5	-5	-5	-6	-4	-5	-5	-2	-1	0	1	1	1	1	1	0	-1	-1	-1	-1	-1	-2	1
6	-1	-1	-1	0	-1	-1	-1	-2	-2	0	1	3	4	5	5	5	5	5	4	4	4	4	3	3	2	5
7	3	3	2	2	2	2	2	2	3	5	6	7	8	8	9	8	7	6	6	5	5	5	5	5	5	9
8	5	4	3	3	3	3	2	3	3	4	5	6	7	5	1	-1	-2	-3	-4	-4	-4	-4	-5	-6	1	7
9	-6	-7	-8	-8	-8	-9	-9	-9	-8	-8	-7	-6	-4	-4	-3	-3	-3	-3	-4	-5	-6	-6	-6	-7	-6	-3
10	-8	-9	-9	-8	-8	-10	-9	-9	-7	-5	-2	-1	0	1	1	2	2	1	1	0	-1	-1	-1	-1	-3	2
11	-2	-2	-2	-3	-3	-3	-5	-5	-3	0	2	4	5	6	7	7	7	6	4	3	2	1	1	0	1	7
12	-1	-1	-1	-1	-2	-4	-3	-2	-1	3	5	6	7	7	3	7	6	5	4	3	2	3	2	2	2	7
13	1	1	0	0	0	0	0	0	1	3	4	5	4	(MT)	6	6	6	5	4	3	2	2	1	0	3	6
14	-1	-1	-2	-2	-2	-3	-2	-1	-1	1	3	4	6	6	6	6	6	5	4	3	3	2	2	1	2	6
15	1	1	1	0	0	0	-1	-1	1	2	4	4	4	4	5	5	5	5	4	3	3	3	2	2	2	5
16	1	1	2	2	2	2	2	1	3	6	7	7	7	7	6	5	5	4	2	2	1	0	0	-1	3	7
17	-1	-2	-2	-2	-2	-2	-3	-3	-2	0	1	1	2	2	3	2	2	1	0	0	-1	-1	-1	-2	0	3
18	-2	-3	-3	-4	-4	-5	-5	-4	-4	-4	-3	-3	-2	-1	-1	-1	0	-1	-1	-2	-2	-3	-3	-3	-3	0
19	-3	-3	-3	-4	-6	-6	-6	-6	-6	-6	-4	-1	0	1	1	1	2	2	1	-1	-1	-2	-2	-2	-2	2
20	-3	-3	-3	-2	-3	-3	-3	-3	-2	-1	1	2	2	3	3	2	0	0	-1	-1	-1	-1	-1	-1	-1	3
21	-1	-1	-1	-1	-2	-2	-3	-3	-2	-2	-1	-1	0	1	1	1	0	-1	-1	-2	-2	-2	-2	-2	-1	1
22	-2	-2	-2	-2	-3	-3	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	-1	-1	-2	-2	-3	-3	-4	-5	-2	-1
23	-5	-5	-5	-6	-5	-6	-6	-6	-4	-2	-1	0	1	1	1	1	1	1	0	-1	-1	0	-1	-2	-2	1
24	-1	-3	-3	-3	-3	-4	-4	-4	-2	0	1	2	3	4	4	5	5	5	3	2	2	1	1	1	1	5
25	1	1	1	0	-1	0	-1	0	2	3	4	4	5	5	5	4	5	5	4	3	2	1	1	1	2	5
26	1	1	1	1	0	0	0	0	3	4	5	5	6	6	6	7	8	7	5	4	3	4	4	4	4	8
27	4	5	5	4	3	3	2	4	4	5	5	6	5	4	4	3	2	2	2	3	3	3	3	3	4	6
28	3	3	4	3	2	2	1	1	2	3	4	4	6	6	6	6	5	5	2	2	0	0	0	0	3	6
29	2	1	2	2	0	-1	-1	-1	-2	-1	-1	-1	-1	-1	-1	-1	0	0	-1	-1	-2	-2	-2	-1	-1	2
30	-1	-2	-2	-2	-2	-2	-2	-1	0	0	0	1	2	2	3	3	1	2	1	0	0	-1	-1	0	0	3
31	0	-1	-2	-3	-3	-3	-5	-5	-5	-5	-4	-4	-3	-3	-2	-2	-2	-2	-3	-3	-4	-5	-6	-7	-3	0
AV	-1	-2	-2	-2	-2	-3	-3	-3	-2	0	1	1	2	2	2	2	2	2	1	0	0	-1	-1	-1	0	
PK	5	5	5	4	3	3	2	4	4	6	7	7	8	8	9	8	8	7	6	5	5	5	5	5		9

II B-763

(06/19/79-RPI)

TEMPERATURE @ 60M **
DEGREE C

CB-TRACT
TRAILER 4A23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	-1	-1	-1	0	-1	1	2	3	3	4	3	3	2	1	0	-1	-1	-1	-1	0	0	1	4
2	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	1	0	0	0	-1	-2	-3	-3	-4	-5	-5	-6	-2	1
3	-6	-7	-7	-8	-8	-9	-9	-10	-9	-8	-6	-5	-5	-5	-4	-4	-4	-4	-5	-6	-6	-7	-7	-8	-7	-4
4	-8	-9	-9	-9	-10	-10	-10	-11	-9	-7	-5	-4	-3	-3	-2	-2	-2	-2	-3	-3	-3	-4	-4	-5	-6	-2
5	-5	-5	-4	-5	-5	-5	-5	-4	-4	-4	-2	0	1	1	2	2	1	1	0	-1	-1	-1	-1	0	-2	2
6	0	0	0	0	0	0	0	-1	-1	0	1	4	5	5	6	6	5	5	4	4	4	4	4	4	2	6
7	3	3	3	2	2	3	3	3	4	6	7	8	8	9	9	8	7	6	6	6	6	6	6	5	5	9
8	5	5	4	4	4	3	3	3	4	4	6	7	8	7	2	-1	-2	-2	-4	-3	-4	-4	-4	-6	2	8
9	-6	-7	-7	-8	-8	-8	-9	-8	-8	-8	-6	-5	-4	-3	-3	-2	-2	-3	-4	-4	-5	-5	-6	-7	-6	-2
10	-7	-8	-8	-8	-7	-8	-7	-8	-6	-4	-2	-1	0	1	2	2	2	2	1	1	0	-1	-1	0	-3	2
11	-1	-1	-1	-1	-2	-2	-4	-3	-2	1	3	5	6	7	8	8	8	6	4	3	2	2	2	1	2	8
12	1	0	1	0	-1	-2	-2	-1	1	4	6	7	7	7	3	7	7	6	4	3	3	3	3	2	3	7
13	2	1	1	1	1	1	1	1	2	4	5	6	4	( )	7	6	6	6	5	4	2	2	2	1	3	7
14	0	0	-1	-1	-1	-2	-1	0	0	2	4	5	7	7	7	6	6	5	4	4	3	3	2	2	3	7
15	2	2	2	1	1	0	0	0	1	3	4	4	5	5	6	6	6	5	4	4	3	3	3	2	3	6
16	2	1	3	3	3	3	3	3	5	7	8	8	8	8	8	6	6	4	3	3	1	1	0	0	4	8
17	-1	-1	-1	-1	-7	-2	-2	-2	-1	1	2	3	3	3	4	3	3	2	1	0	0	-1	-1	-1	0	4
18	-2	-2	-3	-3	-3	-4	-4	-4	-4	-3	-2	-2	-1	0	0	0	0	0	-1	-1	-2	-2	-3	-3	-2	0
19	-3	-2	-3	-4	-5	-5	-6	-6	-6	-5	-3	0	1	2	2	2	2	2	1	0	-1	-1	-1	-1	-2	2
20	-2	-3	-2	-1	-2	-2	-3	-2	-1	0	2	2	3	4	3	2	1	0	0	0	0	-1	-1	-1	0	4
21	-1	-1	-1	-1	-1	-1	-2	-2	-1	-1	0	0	1	2	2	1	-1	0	-1	-1	-2	-2	-2	-2	-1	2
22	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	0	-1	-1	-1	-1	-2	-2	-3	-3	-4	-2	0
23	-5	-4	-5	-5	-5	-5	-5	-4	-3	-2	0	1	2	2	2	2	2	2	1	0	0	0	0	-1	-1	2
24	-1	-1	-2	-2	-2	-3	-3	-2	-1	1	2	3	4	5	5	6	6	5	4	3	2	2	2	2	1	6
25	2	2	2	1	0	1	0	1	2	4	5	5	5	5	6	5	6	5	4	3	3	2	2	2	3	6
26	2	2	2	2	1	1	0	1	3	5	5	6	7	7	6	8	8	7	5	5	4	5	5	5	4	8
27	5	5	5	4	4	4	3	4	5	5	6	6	5	4	4	3	2	3	3	3	3	3	4	4	4	6
28	3	4	4	4	3	2	2	2	3	3	4	5	7	7	7	6	5	5	3	3	1	1	1	1	4	7
29	2	1	2	2	1	-5	-1	-1	-1	0	-1	-1	-1	0	0	0	0	0	0	0	-1	-1	-1	-1	0	2
30	-1	-1	-1	-1	-2	-1	-1	-1	1	1	1	2	3	4	4	3	2	2	2	0	0	0	0	0	1	4
31	0	0	-2	-3	-3	-3	-4	-5	-5	-4	-4	-4	-3	-3	-2	-2	-2	-2	-2	-3	-3	-4	-5	-6	-3	0
AV	-1	-1	-1	-1	-2	-2	-2	-2	-1	0	1	2	3	3	3	3	3	2	1	1	0	0	0	-1	0	
PK	5	5	5	4	4	4	3	4	5	7	8	8	8	9	9	8	8	7	6	6	6	6	6	5		9

** DAYS 1 TO 13 COMPUTED USING DELTA TEMPERATURE 60-10M and TEMPERATURE 10M

(06/19/79-RPI)

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD42 PERIOD(3/01/79 TO 3/31/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
2	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
3	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
4	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
5	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
6	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
7	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
8	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
9	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
10	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
11	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
12	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
13	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
14	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
15	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
16	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
17	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
18	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
19	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
20	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
21	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
22	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
23	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
24	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
25	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
26	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
27	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
28	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
29	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	
30	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	-1	-1	0	1	2	2	-2	0	-1	-3	-3	-4	-5	-5	
31	-5	-6	-6	-6	-6	-7	-8	-8	-7	-7	-6	-6	-6	-5	-5	-5	-4	-4	-5	-7	-8	-9	-9	-10	-5
MEAN																									

TOTAL NUMBER OF OBSERVATIONS = 38

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRT STATION = AD56 PERIOD(3/01/79 TO 3/31/79)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-4	-4	-3	-1	-3	-4	-2	-1	-1	1	4	4	4	4	3	3	1	1	-1	-1	-2	-2	-2	-2	0
2	-2	-2	-2	-2	-2	-3	-4	-4	-2	0	3	3	2	0	1	0	0	-2	-2	-3	-3	-4	-5	-5	-1
3	-6	-6	-7	-7	-8	-11	-12	-12	-10	-7	-6	-5	-4	-4	-2	-3	-3	-3	-6	-9	-12	-13	-15	-15	-7
4	-15	-15	-15	-17	-18	-18	-19	-18	-14	-7	-1	-2	-3	-2	0	-1	0	-2	-5	-8	-10	-12	-13	-13	-9
5	-13	-13	-12	-11	-10	-11	-11	-8	-6	-7	-1	-1	0	3	2	1	1	1	0	-1	-1	-1	-2	-2	-3
6	-2	-2	-2	-3	-4	-5	-5	-5	-5	2	0	2	7	4	6	6	6	4	2	1	1	0	0	-1	0
7	-3	-3	-5	-5	-4	-4	-5	-4	1	4	7	8	10	12	13	10	9	6	3	2	1	1	1	1	2
8	1	0	-1	-3	-4	-5	-5	-5	-1	3	4	7	8	6	1	-1	-1	-1	-4	-4	-5	-5	-6	-8	0
9	-10	-11	-12	-13	-13	-11	-10	-8	-7	-5	-5	-4	-1	-1	-2	-1	-1	-2	-3	-6	-8	-10	-11	-12	-6
10	-13	-13	-14	-14	-14	-15	-15	-13	-10	-5	1	1	2	3	4	4	4	2	-2	-3	-6	-7	-8	-8	-5
11	-9	-10	-10	-11	-12	-13	-13	-12	-7	0	0	2	4	6	7	8	7	4	1	-1	-4	-5	-5	-7	-2
12	-7	-9	-10	-10	-11	-12	-12	-11	-5	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	
13	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	6	7	7	5	1	-1	-4	-5	-6	-8	
14	-8	-7	-10	-10	-11	-11	-11	-8	-4	1	1	2	6	7	8	7	7	4	1	-1	-3	-5	-5	-6	-1
15	-6	-6	-5	-6	-7	-8	-8	-8	-3	1	3	7	6	7	7	7	6	4	1	0	-1	-3	-3	-3	0
16	-5	-5	-6	-6	-6	-6	-6	-6	-1	6	7	7	7	8	7	6	6	4	0	0	0	0	-1	-2	0
17	-2	-2	-3	-4	-3	-4	-5	-4	0	2	3	4	3	4	3	2	2	1	0	-1	-2	-3	-3	-5	0
18	-6	-7	-7	-6	-6	-6	-6	-6	-5	-2	-3	-2	-1	0	-1	0	0	0	-1	-2	-2	-3	-3	-3	-2
19	-3	-3	-5	-5	-5	-6	-6	-6	-6	-2	0	0	1	2	2	3	1	1	0	-2	-2	-3	-3	-3	-1
20	-3	-3	-3	-3	-3	-3	-3	-3	-2	-1	1	3	3	6	4	3	0	-1	-1	-1	-1	-2	-2	-2	0
21	-2	-2	-2	-2	-3	-5	-5	-4	-2	-1	-1	0	0	0	1	1	-1	-2	-2	-2	-2	-3	-3	-3	-1
22	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-1	-1	0	0	-1	0	0	-2	-5	-7	-8	-10	-10	-2
23	-11	-11	-11	-11	-10	-11	-11	-7	-6	-3	0	1	1	1	1	1	1	1	0	-1	-2	-3	-3	-6	-3
24	-7	-8	-9	-10	-10	-11	-11	-8	-5	-1	2	3	3	4	6	6	6	4	1	-1	-2	-3	-5	-5	-2
25	-5	-5	-6	-7	-7	-7	-7	-5	-1	2	6	6	7	6	6	4	6	3	1	0	0	-1	-1	-1	0
26	-1	-5	-5	-6	-6	-6	-6	-3	0	4	6	7	8	7	4	8	8	7	4	1	0	-1	-2	-2	1
27	-2	-1	1	0	0	0	0	1	4	5	7	7	6	3	3	3	2	1	1	1	1	1	1	1	2
28	1	0	0	0	0	0	-1	-1	0	2	3	4	7	6	7	6	6	3	0	0	-1	-1	-1	-1	2
29	-1	0	-1	-1	-1	-1	-2	-2	-1	0	0	0	0	0	0	0	0	0	-1	-2	-2	-4	-5	-5	0
30	-5	-5	-5	-5	-5	-5	-5	-5	-2	0	1	1	3	4	4	4	1	1	0	-1	-1	-2	-2	-2	0
31	-3	-3	-3	-3	-3	-4	-5	-6	-5	-5	-4	-4	-3	-3	-2	-2	-2	-2	-2	-5	-6	-7	-7	-7	-3
MEAN	-4	-4	-5	-5	-5	-6	-6	-5	-3	0	1	2	3	3	3	3	3	1	0	-1	-2	-3	-3	-4	2

TOTAL NUMBER OF OBSERVATIONS = 715

DELTA TEMPERATURE 60-10M
DEGREE C*100

CR-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-15	-6	-13	-8	44	8	18	33	-8	-12	5	-9	18	-16	-25	-26	-34	-32	-16	8	-4	-4	28	28	-1	44
2	7	3	-22	6	20	1	6	26	-16	-17	-32	-25	-16	-30	-28	-38	-37	-41	-39	-18	-40	-38	-37	-44	-19	26
3	-41	-29	-22	-28	-12	15	22	38	-26	-20	-19	-21	-21	-24	-18	-16	-24	-30	-3	26	83	112	188	141	11	188
4	176	197	155	189	174	152	175	92	99	30	-25	-12	-22	-12	-9	-20	-22	-26	7	82	163	216	237	174	90	237
5	214	167	112	108	44	83	78	94	48	1	-8	-1	2	-15	-13	-22	-20	-25	-21	-22	-18	15	23	16	35	214
6	14	50	75	62	64	86	60	88	49	18	8	-5	7	-4	-16	-17	-16	-22	-16	14	69	75	21	57	30	88
7	67	76	109	95	87	28	119	96	14	13	10	19	25	20	20	-12	-14	-9	15	34	29	48	3	12	38	119
8	-7	21	64	74	123	96	68	69	52	1	20	134	148	130	-21	-44	-40	-45	-43	-28	-17	23	41	14	35	148
9	6	58	38	20	-8	-23	-23	-31	-49	-55	-14	-19	-14	-18	-30	-26	-37	-34	-5	9	15	60	68	121	0	121
10	99	111	82	65	143	216	197	228	74	39	31	19	25	23	16	4	-8	-14	89	210	123	95	162	80	83	228
11	250	186	162	205	168	235	197	158	85	98	91	67	44	18	8	-9	-2	2	12	85	86	47	116	159	103	250
12	209	111	130	189	171	136	79	238	200	95	55	26	21	14	-55	-21	-27	-18	57	77	93	85	47	28	81	238
13	73	70	120	144	162	104	108	146	70	-1	2	4	-26	-301	-9	-13	-15	-7	20	58	88	44	139	139	47	162
14	140	148	150	112	140	139	176	156	127	46	0	10	8	15	-2	-12	-14	-12	50	52	30	69	90	146	74	176
15	125	174	156	176	101	105	39	42	37	6	2	-10	-4	-11	-14	-21	-34	-34	-23	27	47	4	7	53	40	176
16	65	4	117	178	135	194	168	299	116	14	28	30	33	55	79	5	6	-25	20	-15	-27	-23	-22	-24	59	299
17	-20	-19	21	0	-11	-2	-5	-9	5	7	17	17	-6	5	-17	-21	-33	-36	-26	-23	-21	4	32	36	-4	36
18	15	26	19	25	-8	-14	-22	-35	-47	-40	-34	-34	-30	-34	-40	-43	-41	-42	-40	-34	-25	-14	-27	-33	-23	26
19	-29	-33	-28	16	59	-1	-22	-31	-27	-17	-17	-4	-16	-21	-31	-30	-33	-38	-20	9	-22	-23	-21	13	-16	59
20	-9	-24	1	64	21	8	-14	14	31	-6	-15	-20	-19	-17	-27	-37	-36	-31	-27	-11	-23	-19	-17	-17	-9	64
21	-13	-16	-5	10	28	97	108	66	63	-22	-18	-29	-21	-23	-30	-37	-16	-34	-30	-36	-30	-33	-27	-14	-3	108
22	-13	-24	-26	-27	-25	-24	-16	-22	-28	-48	-47	-35	-27	-32	-35	-35	-32	-23	6	41	65	12	44	51	-12	65
23	33	75	75	49	59	117	125	187	151	14	1	-9	-17	-10	6	17	-13	-14	-11	-15	12	31	33	47	39	187
24	60	112	78	69	64	100	221	184	30	-9	-5	0	-6	-4	-20	-14	-25	-31	21	70	53	31	85	73	49	221
25	94	201	194	165	107	101	137	166	11	-15	-9	5	-12	-21	-28	-17	-16	-22	-3	36	32	-5	17	52	49	201
26	65	153	166	204	122	117	83	36	-9	-28	-24	-21	-4	-6	-18	-23	-25	-23	-9	17	79	97	90	62	46	204
27	52	44	-2	7	21	37	54	-17	-28	-27	-30	-17	-22	-37	-37	-43	-40	-34	-30	-26	-27	-29	-23	-25	-12	54
28	-27	-23	-18	-21	-21	-30	-23	-1	-18	-36	-37	-36	20	8	-51	-35	-47	-13	47	10	26	17	17	33	-11	47
29	44	-3	19	29	-2	31	-12	-17	-25	-5	-6	-6	-20	-15	-16	-31	-35	-36	-28	-16	-16	47	28	28	-3	47
30	3	27	73	38	22	26	17	13	-24	-27	-22	-3	26	14	-25	-47	-32	-51	-29	-21	-10	-32	-8	19	-2	73
31	34	54	-20	-30	-30	-28	-33	-53	-45	-43	-48	-46	-44	-41	-39	-46	-43	-42	-39	42	130	71	75	0	-11	130
AV	54	61	63	70	63	68	67	73	29	-1	-4	-1	1	-12	-17	-23	-26	-27	-4	21	30	33	45	46	25	
PK	250	201	194	205	174	235	221	299	200	98	91	134	148	130	79	17	6	2	89	210	163	216	237	174		299

(06/18/79-RPI)

RELATIVE HUMIDITY @ 3M
PERCENT

CB-TRACT
TRAILER AA23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	64	61	62	65	67	71	73	72	70	64	57	54	52	45	46	45	47	55	61	82	85	86	88	91	65	91
2	91	90	91	95	95	95	96	96	92	90	( )	65	64	65	77	75	74	85	91	93	92	92	92	93	86	96
3	93	81	79	82	82	84	88	89	90	79	67	53	49	48	48	43	42	44	44	51	65	75	81	83	63	93
4	84	86	87	88	88	89	89	88	85	62	47	40	42	45	44	39	38	39	42	47	55	62	66	69	63	89
5	75	76	77	77	75	75	75	82	87	83	81	68	58	54	54	53	57	62	65	73	81	86	87	87	73	87
6	87	87	87	85	87	86	88	86	87	85	69	65	50	44	44	45	46	52	59	63	67	75	77	77	71	88
7	79	83	84	87	88	89	85	84	82	67	53	47	43	42	39	39	50	55	60	62	63	65	70	65	66	89
8	66	66	67	70	71	76	76	76	77	75	68	62	54	48	54	64	75	83	79	95	92	88	93	94	74	95
9	97	99	99	99	100	100	100	100	100	100	100	100	( )	( )	56	51	46	50	58	68	77	86	92	94	85	100
10	94	94	94	95	96	96	96	96	93	68	51	35	34	33	33	33	32	32	34	47	60	60	63	67	64	96
11	65	61	55	53	53	54	58	61	57	42	42	37	32	31	31	30	30	35	43	61	70	72	71	72	51	72
12	73	76	76	76	76	78	82	82	72	57	48	40	34	35	36	40	42	44	47	53	57	60	60	62	59	82
13	65	67	69	73	76	79	78	77	72	60	50	44	40	41	39	40	42	42	43	48	54	61	65	71	58	79
14	78	79	81	81	82	84	84	84	76	67	57	52	49	45	45	48	51	52	57	67	72	74	78	78	68	84
15	78	81	82	80	83	83	84	84	92	93	76	67	68	65	63	61	57	55	60	65	72	75	76	76	74	93
16	79	83	85	81	79	77	78	76	81	73	50	49	43	47	47	61	51	55	72	78	82	87	95	100	71	100
17	100	100	100	99	93	96	96	96	91	76	60	60	55	48	42	45	45	43	62	68	73	78	82	85	75	100
18	87	85	86	87	87	91	97	97	97	95	86	85	81	72	67	67	65	66	74	80	85	91	98	98	84	98
19	98	98	84	84	86	87	92	94	95	95	86	64	53	52	50	60	56	55	60	72	83	83	83	84	77	93
20	87	94	96	96	96	97	97	97	97	97	74	69	65	55	51	54	74	89	93	95	96	96	96	96	86	97
21	96	96	96	96	96	96	96	97	97	97	91	87	86	84	78	79	86	93	93	94	94	94	94	94	92	97
22	94	95	95	95	96	96	96	96	96	96	94	89	84	83	76	74	76	75	76	85	89	91	92	94	89	96
23	94	94	94	94	95	95	94	94	93	( )	( )	( )	45	49	51	55	56	60	62	81	87	90	83	86	79	95
24	91	93	93	96	96	96	95	95	88	64	46	42	42	40	38	37	42	44	51	63	69	73	78	79	69	96
25	77	72	74	76	78	79	81	81	72	53	47	45	44	43	44	53	52	50	57	65	73	77	88	86	65	88
26	86	87	88	88	88	86	83	85	70	49	47	47	47	46	42	48	41	40	57	67	74	75	76	75	66	88
27	69	59	59	62	68	71	77	75	66	61	59	55	53	68	70	76	89	92	91	91	91	89	88	86	74	92
28	85	89	86	80	85	88	93	97	98	94	86	71	72	55	55	51	57	59	69	86	86	97	98	98	81	98
29	98	98	91	89	88	94	96	96	85	88	80	76	76	76	72	72	76	76	76	82	85	89	89	91	85	98
30	91	91	93	94	95	94	94	91	84	72	68	59	65	57	50	46	55	61	59	76	81	87	90	87	77	95
31	86	86	86	90	91	92	92	91	89	87	83	74	70	61	62	56	55	56	58	69	78	82	84	85	78	92
AV	84	84	84	84	85	86	87	88	85	76	66	60	55	53	52	53	55	58	63	72	77	81	83	84	73	
PK	100	100	100	99	100	100	100	100	100	100	100	100	86	84	78	79	89	93	93	95	96	97	98	100		100

(06/19/79-RPI)

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	0	0	0	0	0	0	0	4	11	19	31	37	51	24	13	14	10	3	0	0	0	0	0	0	216	51
2	0	0	0	0	0	0	0	3	9	19	30	28	30	24	17	19	17	2	0	0	0	0	0	0	193	30
3	0	0	0	0	0	0	0	8	24	40	54	55	59	46	57	43	30	9	0	0	0	0	0	0	424	59
4	0	0	0	0	0	0	0	13	34	47	58	63	66	63	55	42	25	7	0	0	0	0	0	0	472	66
5	0	0	0	0	0	0	0	2	6	12	31	36	39	35	27	16	9	2	0	0	0	0	0	0	213	39
6	0	0	0	0	0	0	0	4	11	28	30	48	60	60	40	23	10	3	0	0	0	0	0	0	317	60
7	0	0	0	0	0	0	0	7	24	40	53	61	64	59	52	30	17	4	0	0	0	0	0	0	410	64
8	0	0	0	0	0	0	0	5	18	23	36	53	66	32	20	19	6	2	0	0	0	0	0	0	281	66
9	0	0	0	0	0	0	0	4	10	19	33	37	40	46	44	48	35	10	0	0	0	0	0	0	325	48
10	0	0	0	0	0	0	1	21	36	42	57	66	68	64	58	45	28	10	0	0	0	0	0	0	496	68
11	0	0	0	0	0	0	0	10	28	44	57	65	68	66	57	44	28	10	0	0	0	0	0	0	476	68
12	0	0	0	0	0	0	0	11	28	44	56	64	68	66	57	45	27	10	0	0	0	0	0	0	475	68
13	0	0	0	0	0	0	0	10	27	43	56	64	68	66	58	44	28	10	0	0	0	0	0	0	474	68
14	0	0	0	0	0	0	0	11	28	41	45	58	65	62	36	27	21	8	0	0	0	0	0	0	403	65
15	0	0	0	0	0	0	0	4	19	37	60	55	69	64	58	44	26	9	0	0	0	0	0	0	445	69
16	0	0	0	0	0	0	0	5	28	45	62	66	62	66	63	49	25	7	0	0	0	0	0	0	473	66
17	0	0	0	0	0	0	0	1	9	32	68	72	69	66	54	50	33	7	0	0	0	0	0	0	461	72
18	0	0	0	0	0	0	0	4	11	19	28	32	40	59	35	21	19	5	0	0	0	0	0	0	273	59
19	0	0	0	0	0	0	1	5	14	28	58	68	59	60	33	26	16	5	0	0	0	0	0	0	372	68
20	0	0	0	0	0	0	0	2	5	12	38	42	41	43	24	13	7	4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	230	43
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	1	0
23	0	0	0	0	0	0	1	4	20	13	37	72	61	52	47	39	22	6	1	0	0	0	0	0	376	72
24	0	0	0	0	0	0	5	30	52	60	60	66	64	70	40	44	32	11	0	0	0	0	0	0	535	70
25	0	0	0	0	0	0	0	14	32	42	48	67	75	69	43	18	23	8	0	0	0	0	0	0	437	75
26	0	0	0	0	0	0	1	17	29	44	54	67	74	58	29	47	33	6	0	0	0	0	0	0	457	74
27	0	0	0	0	0	0	1	12	27	27	30	30	17	6	15	11	6	1	0	0	0	0	0	0	182	30
28	0	0	0	0	0	0	0	0	9	16	42	58	68	43	55	19	11	0	0	0	0	0	0	0	321	68
29	0	0	0	0	0	0	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
31	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
TL	0	0	0	0	0	0	11	209	547	836	1210	1428	1510	1369	1086	841	542	159	1	0	0	1	0	0	9749	
PK	0	0	0	0	0	0	5	30	52	60	68	72	75	70	63	50	35	11	1	0	0	0	0	0		75

II B-769

(06/20/79-RP1)

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	779	779	778	777	777	777	776	776	776	776	775	775	775	775	775	775	775	774	775	775	775	775	775	775	776	779
2	775	774	774	774	774	774	774	774	774	775	775	775	775	775	775	776	776	777	778	779	780	780	781	781	776	781
3	781	782	782	782	782	783	783	783	784	784	784	784	784	784	784	784	784	784	784	785	785	785	785	785	784	785
4	785	785	786	785	786	786	786	787	787	787	788	788	788	788	788	788	788	788	789	789	789	789	789	790	787	790
5	790	790	790	790	790	790	790	790	791	791	791	791	791	790	790	790	790	791	791	791	791	791	791	790	791	791
6	792	792	792	791	791	791	791	792	792	792	792	792	792	792	791	791	791	791	791	792	792	792	792	791	792	792
7	791	791	791	791	791	791	791	791	791	790	790	789	789	788	787	787	786	786	786	786	785	785	784	784	788	791
8	783	783	783	782	782	782	781	781	781	781	781	781	780	780	780	781	781	782	782	782	783	783	783	783	782	783
9	783	783	783	783	784	784	784	785	785	785	786	786	786	785	785	786	786	786	786	787	788	788	788	789	785	789
10	789	789	790	790	790	790	791	791	792	792	792	792	792	792	792	792	792	792	792	792	792	792	793	792	791	793
11	792	792	792	792	792	791	791	791	791	791	791	791	790	789	789	789	788	788	788	788	788	788	788	787	790	792
12	787	787	786	786	786	786	786	786	786	785	785	785	784	784	784	784	783	783	783	784	784	784	784	784	785	787
13	784	784	784	784	784	784	785	786	786	787	787	787	787	787	787	787	787	788	788	788	789	790	790	790	787	790
14	790	790	790	790	790	790	790	790	790	790	789	789	788	788	787	787	787	787	787	787	788	788	788	787	789	790
15	787	787	787	787	787	787	787	787	787	787	787	787	786	785	785	784	784	784	783	783	783	783	783	782	785	787
16	781	781	780	779	779	778	778	778	778	778	777	777	777	776	776	776	776	776	776	777	777	777	777	777	778	781
17	778	778	778	778	778	779	779	779	779	779	779	779	779	778	778	778	778	778	779	779	779	779	779	779	778	779
18	779	779	779	779	779	779	780	780	780	780	780	780	780	780	779	779	779	780	780	780	780	780	780	780	780	780
19	780	780	780	780	780	780	781	781	781	781	781	781	781	781	780	780	780	780	780	780	780	780	780	780	780	781
20	780	780	780	780	780	780	780	780	780	780	780	780	780	779	779	779	779	779	779	779	779	779	779	779	780	780
21	779	778	778	778	778	777	777	777	776	776	776	776	776	775	775	775	775	775	776	776	777	777	777	777	777	779
22	777	777	777	777	777	778	778	779	779	780	781	782	782	783	783	783	783	784	784	784	784	785	785	785	781	785
23	785	785	785	785	785	786	786	786	726	786	786	786	786	786	785	785	785	785	785	785	785	785	786	786	783	786
24	786	786	786	786	786	786	786	787	787	787	787	787	786	786	785	785	784	784	784	784	784	784	784	784	785	787
25	783	783	783	783	782	782	782	782	782	782	782	782	781	780	780	780	779	779	779	780	780	781	781	781	781	783
26	781	781	781	781	781	781	781	781	781	781	782	782	782	781	780	780	780	780	780	780	780	780	780	780	781	782
27	780	780	780	780	779	779	779	779	779	779	779	779	779	779	778	778	778	778	778	777	778	778	778	778	779	781
28	778	778	777	777	777	778	778	778	778	778	778	778	777	777	777	776	776	776	776	776	775	775	775	774	777	778
29	774	773	773	773	772	773	773	774	774	775	776	776	776	776	777	777	777	778	779	779	780	781	781	781	776	781
30	782	782	782	782	782	782	782	782	783	783	783	783	783	782	782	782	782	781	781	781	782	782	782	782	782	783
31	781	781	781	781	780	780	781	781	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782	782
AV	783	783	783	783	783	783	783	783	781	783	783	783	783	783	782	782	782	782	783	783	783	783	783	783	783	
MX	792	792	792	792	792	791	791	792	792	792	792	792	792	792	792	792	792	792	792	792	792	792	793	792		793

II B-770

(06/18/79-RPI)

PRECIPITATION
CM*100

C8-TRACT
TRAILER A820
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)															( )	
2																									( )	
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10																									( )	
11																									( )	
12																									( )	
13																									( )	
14																									( )	
15																									( )	
16																								3	3	3
17	3	10	(TR)	3	23	8	(TR)	(TR)	5	3	(TR)														53	23
18					(TR)	3	5	8	5	3	5	3	(TR)	(TR)	(TR)	(TR)	(TR)	3							33	3
19	3	3	(TR)																						5	3
20	3	(TR)	(TR)	3	(TR)	(TR)	3	(TR)	3	(TR)	3	(TR)	(TR)					3	(TR)	(TR)	(TR)	3	5	(TR)	23	5
21	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3						13	3	8	13	13	8	5	3	8	81	13
22	13	13	18	10	8	13	8	8	3	3	(TR)						8								102	18
23																									( )	
24																									( )	
25																									( )	
26																									( )	
27																									( )	
28							(TR)	(TR)	3	(TR)	3											3	10		13	10
29	13			10	13	5	(TR)	5	3	(TR)	3	3								(TR)	(TR)	(TR)	(TR)	(TR)	53	13
30	5	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3												18	(TR)	(TR)	25	18
31	(TR)	8	13	(TR)	3	3	3	(TR)	3	3	(TR)	(TR)	(TR)	8									(TR)	8	48	13
TL	41	33	30	25	46	30	18	20	23	15	13	5	( )	8	( )	13	15	13	13	13	8	28	18	18	444	
PK	13	13	18	10	23	13	8	8	5	3	5	3		8		13	8	8	13	13	8	18	10	8		23

II B-771

(06/18/79-RPI)

PRECIPITATION
CM=100

CB-TRACT
TRAILER AB23
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1																									( )	
2		3	(TR)	(TR)	(TR)	3	(TR)	(TR)	(TR)	3															3	3
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10																									( )	
11																									( )	
12																									( )	
13																									( )	
14																									( )	
15																									( )	
16																							(TR)	5	5	5
17	(TR)	18	3	(TR)	30	(TR)	(TR)	(TR)	3	(TR)															53	30
18						(TR)	8	5	3	3	3	5													25	8
19																									( )	
20						(TR)	10	3	(TR)	3							(TR)	8			(TR)	10	3	3	33	10
21	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3							10	3	5	8	13	8	5	(TR)	5	61	13
22	8	13	13	15	8	8	8	3	(TR)	3	3														79	15
23						(TR)	(TR)	(TR)	(TR)	(TR)	(TR)														( )	
24																									( )	
25																									( )	
26																									( )	
27																									( )	
28							(TR)	3	(TR)	3												10	(TR)	3	18	10
29	8	3	(TR)	3	15			3	8											(TR)					33	15
30	13																				8	5			25	13
31		3	5	(TR)	(TR)	13						8											(TR)	5	33	13
TL	30	38	20	18	53	23	25	15	15	13	5	13	( )	( )	( )	10	3	13	8	13	15	30	3	20	384	
PK	13	18	13	15	30	13	10	5	8	3	3	8				10	3	8	8	13	8	10	3	5		30

(06/18/79-RPI)

INVERSION HEIGHT
METERS

CB-TRACT
TRAILER AC20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	420	480	600	500	400	600	500	300	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	300	320	300	500	540	40	320	414	600
2	400	500	50	440	500	500	400	240	200	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	260	400	440	34	340	334	500
3	340	400	440	360	300	300	340	340	300	280	240	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	300	300	280	30	300	301	440
4	340	340	380	350	340	340	300	280	340	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	360	360	370	40	360	335	400
5	360	360	400	400	380	340	360	380	400	440	400	(NV)	(NV)	240	200	140	60	140	100	500	600	500	40	360	339	600
6	280	400	600	600	460	360	360	380	370	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	200	300	400	38	340	364	600
7	600	600	660	700	640	600	540	420	360	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	300	500	520	630	66	600	505	700
8	500	440	380	460	640	620	620	520	400	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	110	200	300	360	386	640
9	360	300	400	320	460	540	600	700	600	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	280	300	360	340	320	405	700
10	340	360	340	360	400	320	300	300	300	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	320	380	400	420	420	341	420
11	360	380	350	340	300	320	320	350	360	260	120	120	(NV)	(NV)	(NV)	(NV)	(NV)	200	320	300	300	300	340	360	300	330
12	360	340	340	360	500	480	400	340	320	360	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	500	520	540	520	520	406	540
13	400	400	400	400	360	360	420	400	300	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	100	300	360	360	340	460	327	460
14	300	300	300	360	400	360	320	320	340	300	240	280	280	200	(NV)	(NV)	(NV)	(NV)	140	260	300	320	300	320	297	400
15	300	300	280	380	340	360	440	440	330	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	200	300	360	400	380	331	440
16	560	560	480	400	480	400	340	340	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	300	200	160	140	80	60	313	560
17	400	360	180	200	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	60	100	160	220	240	( )	400
18	180	260	320	320	300	320	160	160	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	30	100	180	160	240	200	209	320
19	700	800	760	740	600	600	580	600	660	500	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	260	340	320	500	500	515	800
20	400	500	400	300	380	360	400	400	340	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	240	200	200	220	200	303	500
21	40	40	500	700	500	300	300	320	310	300	360	300	(NV)	(NV)	(NV)	(NV)	200	160	40	100	(RF)	(RF)	(RF)	(RF)	279	700
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	100	200	300	320	340	320	( ) 340
23	440	460	400	500	580	320	320	320	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	260	300	400	400	400	400	387	580
24	420	500	500	400	400	420	460	400	260	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	400	480	480	480	480	419	500
25	440	400	440	440	440	460	500	460	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	340	500	440	440	440	400	416	500
26	400	440	360	380	400	380	400	360	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	300	320	320	400	400	380	363	440
27	300	260	220	220	300	460	500	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	100	400	360	300	300	293	500
28	500	440	400	300	160	180	200	260	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	240	280	340	260	240	200	280	500
29	340	300	260	200	220	300	360	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	200	260	260	360	300	266	360
30	300	360	360	400	500	460	460	460	420	420	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	300	200	200	200	200	340	500
31	260	260	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	40	200	240	230	320	300	( )	320
AV	378	395	397	408	417	406	400	374	337	288	( )	( )	( )	( )	( )	( )	( )	( )	172	272	330	345	352	341	349	
PK	700	800	760	740	640	620	620	700	660	500	400	300	280	240	200	140	200	300	340	500	600	630	640	600		800

II B-773

(06/18/79-RPI)

STABILITY CLASS @ 50M
0=STR 1=UNST

CB-TRACT
TRAILER AC20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
17	0	0	0	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
21	1	1	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	1	0	0	(RF)	(RF)	(RF)	0
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	0	0	0	0	0	( )
23	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
31	0	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	0	0	0	0	0	)
PV	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0

(06/18/79-RFI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CB-TRACT
TRAILER AC20
MAR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
17	0	0	1	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	1	1	0	0	1
18	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0
21	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	(RF)	(RF)	(RF)	1
22	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	0	0	0	0	0	( )
23	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0
29	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
31	0	0	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	0	0	0	0	0	0
PV	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0

(06/18/79-RPI)

STABILITY CLASS USING DT/DZ
DT 60-10M
WS 10M

CB-TRACT
TRAILER 23
MAR 1979
OCCIDENTAL OIL SHALE, INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE
1	E	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E
2	E	E	E	E	E	E	E	E	E	E	D	E	E	D	D	D	D	D	D	E	D	D	D	D	E
3	D	D	E	D	E	E	E	E	E	E	E	E	E	E	E	E	E	D	E	E	F	F	F	( )	E
4	F	( )	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F
5	F	F	F	F	( )	F	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E
6	E	E	E	E	E	F	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	( )	E	E
7	E	E	E	F	F	E	F	F	F	E	E	E	E	E	E	E	D	E	E	E	E	E	E	E	E
8	E	E	E	E	F	E	F	E	E	E	E	D	D	D	D	D	D	D	D	D	E	E	F	E	E
9	E	E	E	E	E	E	E	D	D	D	E	E	E	E	D	D	D	D	E	E	( )	E	E	F	E
10	( )	F	F	E	F	F	F	F	E	E	E	E	E	E	E	E	E	E	F	F	F	F	F	F	F
11	F	F	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	F	F	E	F	F	F
12	F	F	F	F	F	F	F	F	F	F	E	E	E	E	D	E	D	E	E	E	F	F	E	E	E
13	E	E	F	F	F	F	F	F	E	E	E	E	D	A	E	E	E	E	E	E	F	E	F	F	E
14	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	F	F	E
15	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	E	D	D	E	E	E	E	E	E	E
16	E	E	E	E	E	F	F	F	F	D	D	D	D	D	D	D	D	D	E	E	D	E	E	E	E
17	E	E	E	E	E	E	E	E	E	E	D	D	E	E	E	E	D	D	E	E	E	E	E	E	E
18	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	D	D	D
19	( )	D	D	E	E	E	E	D	D	E	E	E	E	E	D	D	D	D	E	E	E	E	E	E	E
20	E	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	D	D	D	E	E	E	E	( )	E
21	E	( )	E	E	( )	F	F	E	E	E	E	D	E	E	D	D	E	D	( )	D	D	D	D	E	F
22	E	E	D	D	E	E	E	E	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E
23	E	E	E	E	E	F	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	F	E
24	E	F	F	E	E	F	F	F	E	E	E	E	E	E	E	E	E	D	E	E	E	F	F	E	E
25	F	E	F	F	F	F	F	F	E	E	E	E	E	E	D	E	E	E	E	E	E	E	E	E	E
26	E	F	F	F	F	F	F	E	E	D	E	E	D	D	E	D	D	E	E	F	F	F	F	E	E
27	E	D	F	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D
28	D	E	E	D	E	D	E	E	E	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E	E
29	E	E	E	E	D	D	D	E	E	E	E	D	E	E	E	D	D	D	D	E	E	E	E	E	E
30	E	E	F	E	E	E	E	E	E	D	E	D	D	D	D	D	D	D	D	E	E	D	E	E	E
31	F	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	E	E	E	D
AVE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	D	D	E	E	E	E	E	E	E

(06/19/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	4	0	0	0	4	6	4	6	0	4	6	4	0	0	3	2	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	4	0	0	1	6	18	6	3	1	3	3	1	0	1	2	3	1 :	53
TOTAL :	4	0	0	1	6	18	6	3	1	3	3	1	0	1	2	3	1	53
MEAN CONC.	2	0	0	0	1	2	0	2	0	4	3	4	0	0	0	0	0	1

0 = NO OBSERVATIONS

(06/19/79-RPT)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	2	3	1	3	2	2	2	2	3	2	1	1	2	2	6	4	1	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	40	20	25	31	23	28	46	49	105	91	49	32	26	41	52	58	11 :	727
TOTAL :	40	20	25	31	23	28	46	49	105	91	49	32	26	41	52	58	11	727
MEAN CONC.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	13	0	0	0	15	15	15	13	0	13	13	11	0	0	15	13	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	4	0	0	0	2	9	1	1	0	3	2	1	0	0	1	3	0 :	27
LT 10. :	0	0	0	1	4	9	5	2	1	0	1	0	0	1	1	0	1 :	26
TOTAL :	4	0	0	1	6	18	6	3	1	3	3	1	0	1	2	3	1	53
MEAN CONC.	11	0	0	0	4	7	2	4	0	12	8	11	0	0	0	0	0	6

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	10	8	5	7	7	5	5	11	5	4	4	3	6	5	20	13	7	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0 :	1
10. - 20. :	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2	2	0 :	6
LT 10. :	39	20	25	31	23	28	46	48	105	91	49	32	26	41	49	56	11 :	720
TOTAL :	40	20	25	31	23	28	46	49	105	91	49	32	26	41	52	58	11	727
MEAN CONC.	3	2	2	3	2	2	2	2	2	2	2	2	2	2	4	3	3	2

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	9	0	0	0	9	9	7	3	0	7	7	3	0	0	9	9	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	4	0	0	1	6	18	6	3	1	3	3	1	0	1	2	3	1 :	53
TOTAL :	4	0	0	1	6	18	6	3	1	3	3	1	0	1	2	3	1	53
MEAN CONC.	7	0	0	0	2	3	1	1	0	6	3	3	0	0	0	0	0	3

0 = NO OBSERVATIONS

(06/19/79-RPT)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	9	6	5	6	3	3	2	8	3	2	3	2	4	4	10	7	5	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0 :	1
LT 10. :	40	20	25	31	23	28	46	49	105	91	49	32	26	41	51	58	11 :	726
TOTAL :	40	20	25	31	23	28	46	49	105	91	49	32	26	41	52	58	11	727
MEAN CONC.	1	1	0	1	0	1	0	0	0	0	0	0	1	1	2	1	1	0

0 = NO OBSERVATIONS

(06/19/79-RPT)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	96	84	92	88	96	98	131	72	74	113	88	52	101	109	101	99	133	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1 :	2
100. - 120. :	0	0	0	0	0	0	0	0	0	2	0	0	1	4	1	0	0 :	8
80. - 100. :	5	1	3	1	13	20	3	0	0	3	3	0	2	13	4	4	2 :	77
60. - 80. :	4	3	3	8	22	26	20	3	8	10	5	0	7	12	11	6	15 :	163
40. - 60. :	12	2	4	14	52	78	36	19	7	5	5	2	16	12	18	14	16 :	312
20. - 40. :	2	1	3	1	34	41	12	1	4	1	0	0	5	10	4	2	10 :	131
LT 20. :	0	0	0	2	10	17	12	0	0	0	0	0	1	0	0	0	1 :	43
TOTAL :	23	7	13	26	131	182	84	23	19	21	13	2	32	51	38	26	45	736
MEAN CONC.	58	58	57	53	49	49	48	52	53	70	65	52	54	64	57	59	56	53

0 = NO OBSERVATIONS

(06/19/79-RPT)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	100	102	96	92	97	99	100	100	117	102	97	97	97	99	100	101	87	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	1	1	0	0	0	0	1	1	5	3	0	0	0	0	1	2	0 :	15
80. - 100. :	31	17	21	16	18	19	27	32	72	71	30	16	14	22	33	50	6 :	495
60. - 80. :	8	2	4	14	4	9	17	17	29	17	19	16	11	19	16	5	4 :	211
40. - 60. :	0	0	0	1	1	0	2	0	2	0	1	0	1	0	2	1	1 :	12
20. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	40	20	25	31	23	28	47	50	108	91	50	32	26	41	52	58	11	733
MEAN CONC.	87	87	85	78	85	82	82	84	86	87	82	82	81	83	82	88	78	84

0 = NO OBSERVATIONS

(06/19/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	114	172	114	229	287	344	229	344	114	114	114	0	114	229	229	114	229	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1000. -1250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1000. :	23	7	13	26	130	182	84	23	19	21	13	2	31	46	38	25	45 :	728
TOTAL :	23	7	13	26	130	182	84	23	19	21	13	2	31	46	38	25	45	728
MEAN CONC.	24	41	35	35	39	23	21	19	21	16	26	0	35	32	46	25	33	29

0 = NO OBSERVATIONS

(06/19/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	1442	415	479	473	371	501	560	729	1157	757	659	864	677	649	842	1918	554	
GT 4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3750. -4000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3500. -3750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3250. -3500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
3000. -3250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2750. -3000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2500. -2750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2250. -2500. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
2000. -2250. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1750. -2000. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0 :	1
1500. -1750. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
1250. -1500. :	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0 :	2
1000. -1250. :	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0 :	1
LT 1000. :	38	20	25	29	23	28	47	49	106	92	48	32	28	41	51	54	11 :	722
TOTAL :	39	20	25	29	23	28	47	49	107	92	48	32	28	41	51	56	11	726
MEAN CONC.	268	175	191	251	154	212	163	232	220	185	211	216	176	250	314	323	192	225

0 = NO OBSERVATIONS

II B-786

(06/19/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

SULFUR DIOXIDE (SO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	39	20	25	30	23	28	47	49	108	93	50	32	26	42	53	57	11 :	733
TOTAL :	39	20	25	30	23	28	47	49	108	93	50	32	26	42	53	57	11	733
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/19/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

HYDROGEN SULFIDE (H2S) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(3 /01/79 TO 3 /31/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	4	0	0	0	4	4	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	39	20	25	29	23	28	47	49	108	93	49	32	27	40	50	57	11 :	727
TOTAL :	39	20	25	29	23	28	47	49	108	93	49	32	27	40	50	57	11	727
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB20 PERIOD(3 /01/79 TO 3 /31/79)

WIND SPEED MAX METERS/SEC		WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		5	3	2	3	3	4	4	5	5	4	5	4	6	8	8	3	2	
GT	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. -	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0 :	2
5. -	8. :	1	0	0	0	0	0	0	1	2	0	1	0	2	0	0	0	0 :	7
3. -	5. :	1	1	0	1	3	15	24	8	10	13	5	1	12	11	9	3	0 :	117
1. -	3. :	12	1	7	5	54	118	57	12	7	8	7	1	16	32	24	17	20 :	398
LT	1. :	9	4	3	17	56	46	3	2	0	0	0	0	2	2	4	5	25 :	178
TOTAL	:	23	6	10	23	113	179	84	23	19	21	13	2	32	46	38	25	45	702
PERCENT		3.	1.	1.	3.	16.	25.	12.	3.	3.	3.	2.	0.	5.	7.	5.	4.	6.	100.

0 = NO OBSERVATIONS

II B-789

(06/19/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(3 /01/79 TO 3 /31/79)

WIND SPEED MAX METERS/SEC		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		6	4	2	3	2	2	3	7	10	8	4	4	7	6	5	6	0	
GT	11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. -	11. :	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0 :	7
5. -	8. :	3	0	0	0	0	0	0	4	28	20	0	0	2	1	1	5	0 :	64
3. -	5. :	4	2	0	1	0	0	3	13	39	31	4	4	2	4	17	16	0 :	140
1. -	3. :	19	9	15	17	13	18	36	25	34	32	41	19	18	28	30	28	0 :	382
LT	1. :	14	9	10	13	10	10	8	8	7	6	5	9	6	9	6	9	0 :	139
TOTAL	:	40	20	25	31	23	28	47	50	111	93	50	32	28	42	54	58	0	732
PERCENT		5.	3.	3.	4.	3.	4.	6.	7.	15.	13.	7.	4.	4.	6.	7.	8.	0.	100.

WIND DIRECTION

0 = NO OBSERVATIONS

II B-790

(06/19/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

30 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(3 /01/79 TO 3 /31/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	6	11	0	0	0	0	0	7	13	11	0	0	9	8	4	7	0	
GT 11. :	0	1	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0 :	5
8. - 11. :	0	0	0	0	0	0	0	0	2	4	0	0	2	1	0	0	0 :	9
5. - 8. :	1	0	0	0	0	0	0	1	3	9	0	0	0	0	0	2	0 :	16
3. - 5. :	0	0	0	0	0	0	0	1	2	4	0	0	1	0	1	2	0 :	11
1. - 3. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 1. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	1	1	0	0	0	0	0	2	10	18	0	0	3	1	1	4	0	41
PERCENT	2.	2.	0.	0.	0.	0.	0.	5.	24.	44.	0.	0.	7.	2.	2.	10.	0.	100.

0 = NO OBSERVATIONS

(06/19/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

60 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(3 /01/79 TO 3 /31/79)

WIND SPEED MAX METERS/SEC		WIND DIRECTION																	
		N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
		8	6	4	3	2	2	4	6	6	12	10	7	5	9	7	5	0	
GT	11.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
8. -	11.	1	0	0	0	0	0	0	0	0	13	12	0	0	2	0	0	0	28
5. -	8.	11	4	0	0	0	0	0	1	2	27	49	6	2	0	2	1	0	105
3. -	5.	24	9	6	1	0	0	4	8	14	18	29	16	8	6	3	13	0	159
1. -	3.	28	18	12	10	16	13	12	17	15	23	28	23	15	22	29	27	0	308
LT	1.	9	12	9	8	10	5	10	12	6	7	7	7	3	0	10	10	0	125
TOTAL		73	43	27	19	26	18	26	38	37	89	125	52	28	30	44	51	0	726
PERCENT		10.	6.	4.	3.	4.	2.	4.	5.	5.	12.	17.	7.	4.	4.	6.	7.	0.	100.

0 = NO OBSERVATIONS

(06/19/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB42 PERIOD(3/01/79 TO 3/31/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	1	3	2	2	2	4	6	9	2	3	9	5	5	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0 :	2
5. - 8. :	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0 :	3
3. - 5. :	0	0	0	0	0	0	0	0	1	1	1	0	0	0	3	0	0 :	12
1. - 3. :	0	0	0	3	1	1	2	2	1	0	2	1	1	3	0	2	0 :	19
LT 1. :	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0 :	2
TOTAL :	0	0	0	3	1	1	3	2	3	3	5	1	1	4	3	8	0	38
PERCENT	0.	0.	0.	8.	3.	3.	3.	5.	8.	8.	13.	3.	3.	11.	8.	21.	0.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD56 PERIOD(3/01/79 TO 3/31/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	3	3	3	4	4	3	4	9	5	4	5	2	3	5	6	5	4	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0 :	1
5. - 8. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0 :	2
3. - 5. :	0	0	0	1	1	0	1	9	12	1	1	0	0	11	7	4	19 :	67
1. - 3. :	4	11	21	41	64	81	72	97	53	15	4	7	8	29	53	19	19 :	593
LT 1. :	0	0	0	3	6	0	1	0	1	0	0	1	0	1	1	0	12 :	26
TOTAL :	4	11	21	45	71	81	74	107	66	16	5	8	8	41	63	23	50	694
PERCENT	1.	2.	3.	6.	10.	12.	11.	15.	10.	2.	1.	1.	1.	6.	9.	3.	7.	100.

0 = NO OBSERVATIONS

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB20
March, 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-Hr	1	16	00	26.7	ug/m^3
		2	7	00	12.6	ug/m^3
		3	1	00	12.2	ug/m^3
		4	28	00	11.6	ug/m^3
		5	31	00	11.6	ug/m^3
Ozone	1-Hr	1	26	20	133.3	ug/m^3
		2	26	19	131.3	ug/m^3
		3	26	18	113.7	ug/m^3
		4	11	13	109.8	ug/m^3
		5	11	14	105.4	ug/m^3
Co	1-Hr	1	29	1	300.0	ug/m^3
		2	29	3	300.0	ug/m^3
		3	7	18	300.0	ug/m^3
		4	7	19	300.0	ug/m^3
		5	12	11	200.0	ug/m^3
Co	8-Hr	1	28	21	200.0	ug/m^3
		2	29	13	100.0	ug/m^3
		3	7	13	100.0	ug/m^3
		4	12	5	100.0	ug/m^3
		5	21	4	100.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
March 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-Hr	1	16	00	21.6	ug/m^3
		2	25	00	8.9	ug/m^3
		3	28	00	8.7	ug/m^3
		4	1	00	8.0	ug/m^3
		5	31	00	4.9	ug/m^3
Carbon Monoxide	1-Hr	1	19	15	2000.0	ug/m^3
		2	13	14	1400.0	ug/m^3
		3	13	13	1300.0	ug/m^3
		4	29	7	1000.0	ug/m^3
		5	7	15	900.0	ug/m^3
	8-Hr	1	19	8	700.0	ug/m^3
		2	29	1	600.0	ug/m^3
		3	13	9	500.0	ug/m^3
		4	3	8	500.0	ug/m^3
		5	25	16	500.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
March 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Sulfur Dioxide	3-Hr	1	27	7	1.6	ug/m^3
		2	28	18	0.8	ug/m^3
		3	28	21	0.8	ug/m^3
		4	28	24	0.8	ug/m^3
		5	29	3	0.8	ug/m^3
	24-Hr	1	28	18	0.8	ug/m^3
		2	29	18	0.8	ug/m^3
		3	30	18	0.8	ug/m^3
		4	26	10	0.7	ug/m^3
		5	1	1	0.5	ug/m^3
Ozone	1-Hr	1	30	12	117.1	ug/m^3
		2	27	9	107.3	ug/m^3
		3	27	11	103.2	ug/m^3
		4	13	11	102.6	ug/m^3
		5	16	17	102.4	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE AD56
March 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
Particulate	24-Hr	1	16	00	24.0	ug/m^3
		2	19	00	8.7	ug/m^3
		3	25	00	7.8	ug/m^3
		4	28	00	7.3	ug/m^3
		5	1	00	6.4	ug/m^3

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
March 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	CO
MULTIPOINT RECORDER	7	7	7	99	99
DATA ACQUISITION SYSTEM	0	0	0	0	0
OTHER SYSTEMS					
MONTHLY TOTAL	7	7	7	99	99

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
March 1979
OCCIDENTAL OIL SHALE, INC.

	WS	WD	TEMP	INVERS. HT	STB 50m	STB 200m	PART	PRECIP.
MULTIPOINT RECORDER	99	99	99					
DATA ACQUISITION SYSTEM	0	0	0					
OTHER SYSTEMS				95	95	95	100	100
MONTHLY TOTAL	99	99	99	95	95	95	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
March 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	SO_2	H_2S	CO	BAR PRESS.	SOLAR RAD.
MULTIPOINT RECORDER	-	-	-	-	-	-	-	-	-
DATA ACQUISITION SYSTEM	99	99	99	100	100	100	100	100	85
OTHER SYSTEMS									
MONTHLY TOTALS	99	99	99	100	100	100	100	100	85

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
March 1979
OCCIDENTAL OIL SHALE, INC

	SIGMA HWD 10m	SIGMA HWD 60m	WS 10m	WS 30m	WS 60m	WD 10m	WD 30m	WD 60m
MULTIPOINT RECORDER	-	-	-	-	-	-	-	-
DATA ACQUISITION SYSTEM	100	100	100	7	100	100	100	100
OTHER SYSTEMS								
MONTHLY TOTALS	100	100	100	7	100	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
March 1979
OCCIDENTAL OIL SHALE, INC.

	TMP 10m	TMP 30m	TMP 60m	DT 60-10m	RH	PART	PREC
MULTIPOINT RECORDER	-	-	-	-			
DATA ACQUISITION SYSTEM	99	99	99	100			
OTHER SYSTEMS					99	91	100
MONTHLY TOTALS	99	99	99	100	99	91	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD42
March 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m
MULTIPOINT RECORDER			
DATA ACQUISITION SYSTEM			
OTHER SYSTEMS	5	5	5
MONTHLY TOTALS	5	5	5

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD56
March 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	94	88	96	100
MONTHLY TOTALS	94	88	96	100

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DATA REPORT

AIR MONITORING REPORT
FOR
PROTOTYPE OIL SHALE LEASE TRACT C-B

APRIL 1979

Submitted July 15, 1979

PREPARED BY:
OCCIDENTAL OIL SHALE, INC. OPERATOR
P.O. BOX 2687
GRAND JUNCTION, COLORADO 81502

SITE AB20	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO												X					
NOX												X					
NO2												X					
O3												X					
CO												X					
PARTICULATE												X					
WIND SPEED												X					
WIND DIRECTION												X					
TEMPERATURE												X					
PRECIPITATION												X					
INVERSION HGT.												X					
STABILITY CLS 50M												X					
STABILITY CLS 200M												X					

SITE AB23 & AA23	1978								1979								
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	
NO												X					
NOX												X					
NO2												X					
O3												X					
CO												X					
SO2												X					
H2S												X					
PARTICULATE												X					
WIND SPEED 10M												X					
WIND SPEED 30M												X					
WIND SPEED 60M												X					
WIND DIRECTION 10M												X					
WIND DIRECTION 30M												X					
WIND DIRECTION 60M												X					
SIGMA HOR WD 10M												X					
SIGMA HOR WD 60M												X					
TEMPERATURE 10M												X					
TEMPERATURE 30M												X					
TEMPERATURE 60M												X					
DELTA T 60-10M												X					
PRECIPITATION												X					
EVAPORATION																	
RELATIVE HUMIDITY												X					
SOLAR RADIATION												X					
BAROMETRIC PRESS.												X					

	1978								1979							
	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG
SITE AD42																
WIND SPEED 10M												X				
WIND DIRECTION 10M												X				
TEMPERATURE 10M												X				
SITE AD56																
WIND SPEED 10M												X				
WIND DIRECTION 10M												X				
TEMPERATURE 10M												X				
PARTICULATE												X				
SUMMARY REPORTS																
STAB. CLASS DT/DZ												X				
FREQUENCY TABLES -																
GASES vs WD AB20												X				
" " AB23												X				
FREQUENCY TABLES-																
WS vs WD AB20												X				
" " AB23												X				
5 MAX IND. SLIDING																
AVERAGES AB20												X				
" AB23												X				
" AD56												X				
DATA COLLECTION -																
EFFICIENCY AB20												X				
" AB23												X				
" AD42												X				
" AD56												X				

SUMMARY REPORTS (Continued)	1978								1979								
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	
VECTOR AVERAGES																	
WD & WS AB20												X					
" AB23												X					

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	1	0	0	0	1	1	2	2	1	2	2	1	0	1	2
3	0	1	1	1	1	1	0	1	0	1	1	1	1	1	0	0	0	1	0	1	0	1	1	0	1	1
4	0	1	1	0	0	0	0	1	1	1	0	1	0	1	0	0	1	0	0	0	1	1	0	0	1	1
5	1	0	1	1	1	0	1	1	0	0	0	1	1	1	0	0	0	0	1	1	0	1	1	2	1	2
6	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	1	1	2	1	1	1	1	1	2
7	1	1	0	0	1	1	0	2	0	0	0	0	0	1	2	1	2	1	1	2	2	1	2	2	1	2
8	1	2	1	1	0	1	0	1	0	0	1	0	1	1	1	2	1	1	2	2	1	1	0	1	1	2
9	1	2	2	2	1	1	1	0	1	1	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	2
10	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
11	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
12	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
13	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
14	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
15	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
16	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
17	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
18	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
19	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
20	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
21	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
22	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
23	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
24	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
25	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
26	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
27	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
28	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
29	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
30	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	1	2	2	2	1	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2		2

(06/21/79-RPI)

NITRIC OXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	2	2	2	2	2	1	2	2	2	3	2	2	2	1	1	2	1	1	2	2	2	2	2	2	3
2	2	2	2	2	1	2	2	3	2	1	0	0	0	1	0	0	0	1	1	1	1	0	1	1	1	3
3	1	1	1	1	1	1	1	3	1	0	(CA)	(CA)	3	3	2	3	2	2	2	2	2	2	2	2	2	3
4	2	2	2	2	2	2	2	2	(CA)	1	2	2	2	1	1	1	1	1	1	1	1	0	0	1	1	2
5	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1
6	0	0	1	1	0	2	2	1	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	2
7	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1	0	0	0	1	1	0	0	1	0	1	1
8	1	1	1	1	1	1	2	3	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	3
9	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	1	1	1	1	(CA)	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1
11	1	1	1	1	1	0	0	0	0	1	1	2	1	2	0	0	1	0	0	0	0	0	0	0	1	2
12	0	0	0	0	0	0	1	0	1	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	0	0	1
20	0	0	0	0	0	0	1	1	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	0	0	0	0	(CA)	(CA)	0	0	(IM)	(IM)	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
27	0	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
AV	0	0	0	1	0	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
PK	2	2	2	2	2	2	2	3	2	3	3	2	3	3	2	3	2	2	2	2	2	2	2	2		3

(06/21/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER AR20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	4	6	6	6	4	4	4	6	4	4	6	4	4	4	4	6
3	0	4	2	2	2	2	0	2	0	2	2	2	2	2	0	2	2	2	2	4	0	2	4	4	2	4
4	2	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	4	4	2	2	2	4
5	4	4	4	4	2	4	2	4	2	4	2	2	4	4	2	2	2	2	2	2	4	4	4	4	3	4
6	2	4	4	2	2	2	4	2	2	0	0	4	4	4	4	4	2	4	4	4	4	4	4	4	3	4
7	4	2	2	0	2	4	4	4	4	0	0	4	0	2	4	4	4	4	4	4	4	4	4	4	3	4
8	2	4	4	2	4	4	4	4	2	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	3	4
9	4	4	4	4	4	4	2	2	4	2	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	4
10	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
11	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
12	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
13	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
14	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
15	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
16	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
17	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
18	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
19	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
20	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
21	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
22	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
23	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
24	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
25	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
26	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
27	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
28	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
29	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
30	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	4	4	4	4	4	4	4	4	4	4	4	6	6	6	4	4	4	6	4	4	6	4	4	4		6

(06/21/79-RPI)

OXIDES OF NITROGEN
(UG/M3)

CB-TRACT
TRAILER AB23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	1	2	2	4	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5
2	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3	2	2	3	9	9	2	3	4	0	0	(CA)	(CA)	0	0	0	0	0	0	1	0	1	1	1	0	2	9
4	0	1	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	2	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11
9	2	1	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	2	1	2	0	2	0	0	2	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	(IM)	(IM)	0	0	0	0	0	0	0	0
26	0	0	0	1	2	4	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6
27	0	0	0	5	2	2	9	2	2	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	9
28	0	0	1	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
29	0	2	0	0	0	0	1	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
30	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
AV	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	2	2	3	9	9	4	11	7	5	5	1	2	2	2	1	0	2	0	1	0	1	1	1	0		11

(06/21/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CR-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	4	4	6	6	4	2	2	2	0	2	2	0	2	4	3	6
3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2	0	0	2	4	1	4
4	2	2	2	4	2	2	2	0	0	0	2	0	2	0	2	2	2	2	2	2	2	2	2	2	2	4
5	2	4	2	2	0	4	0	2	2	4	2	0	2	2	2	2	2	2	0	0	4	2	2	0	2	4
6	2	4	4	2	2	0	2	0	2	0	0	4	2	2	2	4	2	2	2	0	2	2	2	2	2	4
7	2	0	2	0	0	2	4	0	4	0	0	4	0	0	0	2	0	2	2	0	0	2	0	0	1	4
8	0	0	2	0	4	2	4	2	2	4	2	4	2	2	2	0	0	2	0	0	2	2	4	2	2	4
9	2	0	0	0	2	2	0	2	2	0	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	2
10	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
11	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
12	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
13	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
14	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
15	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
16	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
17	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
18	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
19	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
20	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
21	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
22	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
23	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
24	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
25	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
26	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
27	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
28	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
29	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
30	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	(OR)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	2	4	4	4	4	4	4	2	4	4	4	4	6	6	4	4	2	2	2	2	4	2	4	4		6

(06/21/79-RPI)

NITROGEN DIOXIDE
(UG/M3)

CB-TRACT
TRAILER A823
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
3	0	1	2	8	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8
4	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	1	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
9	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	(IM)	(IM)	0	0	0	0	0	0	0	0
26	0	0	0	2	2	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
27	0	0	0	4	2	2	8	1	1	1	1	2	3	2	2	0	0	0	1	1	0	0	0	1	1	8
28	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
AV	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	1	2	2	8	7	3	8	3	1	1	1	2	3	2	2	0	0	0	1	1	0	0	0	1		8

(06/21/79-RPI)

OZONE
(UG/M3)

CB-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	39	37	37	41	37	39	41	39	41	29	20	25	20	16	33	41
3	18	20	18	20	20	20	18	24	55	43	39	45	39	39	37	41	39	41	39	35	29	16	18	20	31	55
4	29	35	41	39	37	37	39	43	43	49	45	43	47	59	51	51	49	49	47	41	37	29	24	24	41	59
5	22	20	22	24	24	27	25	22	43	59	69	53	49	51	49	49	47	47	39	29	33	22	20	25	36	69
6	24	24	25	29	25	27	29	31	43	55	55	51	59	57	59	57	59	59	37	35	29	29	24	33	40	59
7	29	33	31	31	29	24	27	29	49	59	78	71	67	67	69	69	69	69	63	51	55	41	35	22	49	73
8	18	18	16	18	16	16	18	29	45	57	59	67	69	69	69	69	65	51	37	20	29	18	14	16	37	69
9	18	20	20	29	29	22	12	37	39	43	65	78	76	59	55	51	51	49	39	43	33	41	49	47	42	78
10	45	18	16	10	37	37	37	25	24	24	20	29	49	37	41	47	47	47	59	37	37	33	41	73	36	73
11	61	78	59	57	98	98	82	78	82	74	41	63	59	69	67	63	63	69	69	41	49	49	55	57	66	98
12	47	51	120	69	35	39	27	25	31	57	76	86	78	69	69	63	84	90	63	59	67	61	61	69	62	120
13	51	47	74	76	76	74	63	69	74	82	84	88	82	78	39	29	45	47	33	20	16	20	24	20	55	88
14	27	37	35	39	35	24	22	22	41	55	55	57	61	69	69	71	74	74	59	55	55	37	25	14	46	74
15	14	16	16	16	16	12	20	12	39	47	57	59	57	61	65	63	59	67	39	35	22	18	20	20	35	67
16	18	18	16	18	18	16	16	31	49	69	57	65	69	63	49	63	61	63	63	67	67	41	43	49	45	69
17	57	43	53	61	78	88	86	88	92	94	94	94	98	102	100	86	76	74	74	71	51	69	59	65	77	102
18	65	76	94	96	98	96	94	96	96	96	98	108	118	118	114	106	104	108	110	108	74	74	69	69	95	118
19	59	57	63	80	74	65	63	82	102	118	118	116	114	106	106	116	104	98	108	96	78	71	61	59	88	118
20	57	57	59	57	55	55	55	73	90	96	94	96	102	104	104	102	82	76	74	76	73	49	47	53	74	104
21	49	73	74	90	76	82	94	86	102	98	100	88	78	78	96	96	84	86	100	90	78	74	80	80	85	102
22	78	76	78	76	73	74	78	90	94	100	100	100	100	102	104	102	104	104	102	82	86	82	80	80	90	104
23	82	82	80	88	88	80	98	108	141	141	147	147	147	147	108	51	53	49	24	4	0	35	29	0	80	147
24	0	0	0	0	4	4	0	31	35	39	55	55	55	69	71	71	74	76	43	24	22	10	16	27	33	76
25	41	24	0	18	10	0	0	0	24	55	59	61	88	92	137	112	118	118	116	88	90	88	133	120	66	137
26	82	94	92	74	65	116	125	133	100	122	157	159	171	182	78	69	86	86	74	59	31	33	29	47	94	182
27	76	120	92	96	96	116	110	108	143	145	161	167	165	118	69	112	110	59	57	43	35	20	14	4	93	167
28	29	29	55	47	51	41	59	67	78	84	67	59	57	59	59	67	55	53	45	41	37	35	31	24	51	84
29	20	20	25	35	43	39	59	69	86	67	63	61	57	61	59	59	57	49	45	33	27	27	47	45	48	86
30	51	47	55	47	43	8	24	41	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	55
AV	42	44	47	48	48	48	49	55	68	75	77	79	80	79	72	70	70	68	61	51	45	41	42	42	58	
PK	82	120	120	96	98	116	125	133	143	145	161	167	171	182	137	116	118	118	116	108	90	88	133	120		182

(06/21/79-RPI)

OZONE
(UG/M3)

C8-TRACT
TRAILER AB23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	73	69	78	72	67	66	67	67	71	78	83	86	87	87	86	88	88	88	87	87	79	74	74	77	78	88
2	81	79	77	81	81	81	81	79	114	89	91	92	95	94	95	95	95	93	90	87	78	75	77	80	87	114
3	77	73	75	67	69	77	73	77	81	84	90	90	90	91	92	91	91	91	86	92	90	87	85	82	83	92
4	79	83	83	82	86	84	85	87	89	90	90	90	91	92	93	91	89	88	86	85	83	83	80	80	86	93
5	79	78	76	77	74	75	75	71	82	86	86	86	85	87	87	89	86	85	82	81	81	80	79	81	81	89
6	78	79	76	76	78	79	76	77	86	89	89	93	97	97	98	99	101	100	96	95	95	96	97	89	89	101
7	85	83	85	85	83	83	83	88	92	98	105	110	112	111	112	113	112	111	109	100	97	86	82	75	96	113
8	69	70	72	74	70	67	60	58	81	95	103	106	110	113	118	119	113	111	103	93	93	100	94	98	91	119
9	93	93	93	96	96	87	81	85	85	99	108	106	103	103	101	102	100	99	93	90	82	87	84	84	94	108
10	84	78	76	71	55	54	66	71	68	65	(CA)	67	74	78	81	83	86	83	77	75	76	77	76	75	74	86
11	74	74	73	72	73	73	73	73	75	76	80	80	83	83	(CA)	96	91	93	93	93	85	83	87	94	82	96
12	97	99	95	93	92	90	89	91	91	94	98	101	102	103	101	104	103	104	101	97	97	96	98	96	97	104
13	94	94	94	93	93	93	96	95	99	101	99	99	99	93	90	89	86	85	83	82	82	81	80	78	91	101
14	77	79	79	76	77	77	73	73	83	85	85	84	86	91	94	97	97	99	94	85	88	89	87	85	85	99
15	88	91	89	88	85	90	86	90	96	96	101	101	101	105	105	113	113	112	105	98	95	98	101	98	98	113
16	95	95	97	95	98	99	89	99	(CA)	107	113	119	116	113	110	114	117	118	112	103	103	104	111	110	106	119
17	104	95	101	101	100	103	104	103	103	102	108	104	105	103	106	100	98	96	93	93	87	90	86	82	99	108
18	80	86	95	94	90	87	83	86	88	90	94	99	101	101	95	92	92	92	90	88	86	82	79	81	90	101
19	79	78	73	82	84	87	91	108	116	113	116	110	110	105	104	103	101	99	93	87	87	76	72	66	93	116
20	59	53	55	54	61	52	53	60	66	78	87	98	100	99	100	100	101	100	95	86	85	83	88	79	79	101
21	84	88	90	86	89	86	83	83	91	98	100	103	108	107	106	105	106	104	102	92	90	91	92	91	95	108
22	91	92	93	91	92	96	92	89	91	93	96	97	99	102	105	105	106	106	101	94	88	92	92	93	96	106
23	87	87	91	91	90	86	90	90	92	98	102	105	109	108	111	113	110	103	98	93	91	87	83	85	96	113
24	86	78	77	56	69	76	77	81	79	77	100	103	100	102	103	103	103	101	99	96	92	85	82	88	88	103
25	95	88	76	80	75	63	65	74	84	86	90	94	96	(CA)	114	100	(IM)	(IM)	95	90	83	78	78	74	85	114
26	82	81	84	78	78	76	73	63	81	92	96	100	101	106	107	110	109	114	115	93	90	92	91	91	92	115
27	88	84	79	68	69	68	65	81	84	90	(CA)	93	95	95	93	91	86	76	71	70	69	66	65	65	79	95
28	65	61	57	54	59	56	51	58	67	68	64	68	73	77	78	77	83	82	80	78	70	65	68	67	68	83
29	63	61	71	61	66	65	54	60	64	74	80	85	84	84	85	84	81	75	77	72	68	68	62	67	71	85
30	66	62	69	64	65	58	52	62	70	82	85	88	86	86	82	80	79	77	76	67	68	63	57	50	71	88
AV	82	80	81	79	79	78	76	79	85	89	94	95	97	97	98	98	97	96	93	88	85	84	83	82	87	
PK	104	99	101	101	100	103	104	108	116	113	116	119	116	113	118	119	117	118	115	103	103	104	111	110		119

(06/21/79-RPI)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100
3	0	0	0	0	0	100	100	100	0	0	0	0	0	0	0	0	0	100	100	100	0	0	0	0	0	100
4	0	0	0	0	0	100	100	100	0	100	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0	100
5	0	0	0	0	0	100	100	100	0	100	100	0	0	0	0	0	0	0	0	100	0	0	0	0	0	100
6	0	0	0	0	0	100	100	0	100	100	0	0	100	100	100	0	0	0	0	0	0	0	0	0	0	100
7	0	0	0	0	0	0	100	100	0	100	0	0	0	100	0	0	0	0	0	100	100	0	0	0	0	100
8	0	0	100	100	0	0	0	0	100	100	100	100	0	0	0	0	100	100	0	0	0	0	0	0	0	100
9	0	0	0	0	0	100	100	100	100	100	0	100	100	0	0	0	0	0	100	100	0	0	0	0	0	100
10	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	100	100	100	100	100	100	0	0	0	100
11	0	0	0	0	100	100	200	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
12	0	0	0	0	0	100	100	100	100	100	100	600	0	0	0	0	0	0	100	100	100	100	0	0	100	600
13	0	0	0	0	0	100	100	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
14	0	0	0	100	0	0	0	100	100	100	100	100	0	0	0	100	100	100	100	100	100	0	0	0	0	100
15	0	0	0	0	0	0	100	100	100	100	100	100	0	0	0	0	100	100	100	100	100	100	100	0	0	100
16	0	0	100	100	0	0	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	100	0	0	100
17	0	0	0	0	0	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
18	0	0	0	0	0	0	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
19	0	0	0	0	0	100	100	100	0	0	0	100	0	0	100	100	100	0	0	0	0	0	0	0	0	100
20	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	100
21	0	0	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	0	100
22	0	0	0	0	0	0	0	0	0	100	100	0	0	0	0	0	0	100	0	0	100	100	100	0	0	100
23	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	100	100	100	100	100	100	100
24	0	0	0	0	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100
25	0	0	0	0	0	100	100	100	100	0	0	0	0	100	100	100	100	0	0	100	0	0	0	0	0	100
26	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	0	0	100	100	100	100	0	0	0	0	100
27	100	100	100	100	100	100	0	100	100	100	100	0	0	100	0	0	0	0	0	0	0	0	0	0	0	100
28	0	0	0	0	0	0	0	100	0	100	100	100	100	100	100	100	0	0	0	0	100	100	100	100	0	100
29	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	0	0	0	100	0	0	0	0	0	100
30	0	0	0	0	0	100	100	100	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	100
AV	0	0	0	0	0	0	100	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	100	100	100	100	100	100	200	100	100	100	100	600	100	100	100	100	100	100	100	100	100	100	100	100		600

(06/21/79-RPI)

CARBON MONOXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	200	100	100	200	200	200	200	300	400	300	300	200	100	100	0	300	200	300	400	200	100	200	200	100	200	400
2	200	200	200	100	100	200	200	300	300	0	0	0	0	0	0	100	100	100	200	200	300	300	200	200	100	300
3	300	300	300	400	500	400	600	400	(CA)	0	500	0	0	0	0	100	200	300	500	200	100	100	100	200	200	600
4	100	100	100	100	100	200	300	300	(CA)	100	100	100	100	100	100	100	100	100	200	300	400	300	300	100	200	400
5	0	0	0	0	0	100	100	200	200	200	0	0	0	0	0	100	100	100	100	100	100	100	100	400	100	400
6	300	400	500	400	500	500	600	200	100	100	100	0	0	0	100	200	300	400	400	400	300	300	300	200	300	600
7	200	200	100	200	200	200	300	100	100	100	0	0	0	0	0	200	200	200	200	100	0	0	0	400	100	400
8	400	500	500	600	600	600	900	500	300	300	200	200	100	0	0	200	300	300	300	100	0	0	0	300	300	900
9	300	400	300	400	400	500	600	400	(CA)	300	200	200	0	0	0	0	300	300	400	400	300	300	200	200	300	600
10	300	300	300	300	100	100	200	200	300	200	0	0	100	200	300	200	100	200	300	300	100	100	100	0	200	300
11	0	100	100	0	0	100	100	200	300	300	300	300	200	0	100	100	0	0	0	0	200	200	100	200	100	300
12	300	400	500	500	0	0	100	100	100	100	0	0	300	(CA)	100	200	400	300	400	500	100	100	100	100	200	500
13	100	100	100	100	100	200	200	200	200	200	200	200	100	100	200	200	300	400	400	300	300	300	300	300	200	400
14	300	400	400	400	0	0	100	0	0	0	0	100	0	0	0	0	200	100	200	200	300	300	200	300	100	400
15	200	200	300	200	100	100	200	200	200	200	200	100	200	200	100	100	200	200	300	200	200	200	200	200	200	300
16	200	200	200	300	300	300	500	400	400	(CA)	200	0	200	0	0	100	100	0	100	100	100	0	0	0	200	500
17	100	200	200	300	500	600	700	800	800	800	(CA)	0	100	300	600	400	300	200	100	200	100	200	300	300	400	800
18	300	400	400	400	300	400	500	500	500	(CA)	0	0	400	500	500	500	300	300	300	300	300	300	300	300	400	500
19	200	200	300	200	200	200	400	300	200	400	0	0	100	100	100	100	200	100	100	100	0	100	200	400	200	400
20	400	500	500	500	400	400	500	400	400	(CA)	300	0	100	100	100	100	300	400	400	500	100	200	100	300	300	500
21	200	300	300	300	300	400	400	500	300	300	300	300	300	300	300	200	0	100	0	100	300	300	300	300	300	500
22	200	300	400	300	0	0	0	0	0	0	0	0	300	300	200	200	100	100	100	0	100	100	100	100	100	400
23	200	200	200	200	300	400	400	400	400	300	300	400	0	0	0	0	100	0	0	0	100	200	400	400	200	400
24	400	500	400	500	300	300	400	400	500	500	400	500	200	200	(CA)	100	200	200	200	200	200	200	100	100	300	500
25	100	0	0	0	200	200	300	400	400	400	200	100	100	100	200	100	(IM)	(IM)	100	100	0	0	0	0	100	400
26	0	100	300	400	400	500	400	500	(CA)	100	100	100	200	200	200	200	300	400	300	400	100	0	0	0	200	500
27	0	0	0	0	300	400	600	500	600	600	100	300	800	700	100	0	100	100	0	100	100	0	0	0	200	800
28	0	0	100	200	300	300	400	500	400	400	500	300	100	100	0	100	100	0	0	0	100	100	200	200	200	500
29	200	300	300	300	200	200	400	400	400	400	200	200	200	200	200	200	100	100	0	100	300	300	300	300	200	400
30	300	300	300	400	200	300	300	300	300	(CA)	300	300	300	300	300	400	300	200	200	100	200	200	200	300	300	400
AV	200	200	300	300	200	300	400	300	300	300	200	100	200	100	100	200	200	200	200	200	200	200	200	200	200	
PK	400	500	500	600	600	600	900	800	800	800	500	500	800	700	600	500	400	400	500	500	400	300	400	400		900

(06/21/79-RPI)

SULFUR DIOXIDE
(UG/M3)

CB-TRACT
TRAILER AB23
APP 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
3	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
6	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1
7	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1
8	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	1
9	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
10	1	1	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	1	1	0	0	0	1	0	0	0	1	0	0	0	(CA)	0	0	1	1	1	1	1	0	1	1	0	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	1
14	1	1	1	0	0	0	0	0	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	0	1
15	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	1
16	1	1	0	1	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
18	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	0	1
19	0	1	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	1	0	1	1	0	1
20	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
21	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	1
22	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	1	0	1
24	0	1	1	1	1	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1
25	1	1	1	1	1	1	1	1	1	0	1	1	1	(CA)	(CA)	1	(IM)	(IM)	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1
27	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1

(06/21/79-RPI)

HYDROGEN SULFIDE
(UG/M3)

CB-TRACT
TRAILER A823
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	(CA)	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	(CA)	(CA)	0	(IM)	(IM)	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	(CA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

(06/21/79-RPI)

Particulate Data 24-Hour Average (UG/M3)

CB-Tract

Occidental Oil Shale, Inc.

Mo	Dy	Yr	AB20	AB23	AD56
4	3	79	7.0	6.2	4.5
4	6	79	20.0	15.0	15.0
4	9	79	16.3	17.8	13.4
4	12	79	6.8	4.3	4.6
4	15	79	14.8	20.1	10.4
4	18	79	63.2	80.6	49.3
4	21	79	33.2	24.4	21.3
4	24	79	39.0	45.9	40.4
4	27	79	24.0	15.9	14.1
4	30	79	40.7	35.5	27.2
		Av	26.5	26.6	20.0
		Gm	21.2	19.3	15.3
		Pk	63.2	80.6	49.3

WIND SPEED @10M
METERS/SEC

CB-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	2	2	2	4	4	3	3	2	3	0	1	2	1	1	2	4
3	2	2	1	2	1	1	1	2	1	1	2	2	2	3	4	3	3	2	3	1	1	1	1	1	2	4
4	1	3	3	4	3	3	2	2	2	3	4	4	4	4	4	4	2	1	1	1	1	0	0	0	2	4
5	(CM)	1	1	1	2	1	1	1	2	2	4	3	4	4	3	4	3	2	1	1	1	2	2	3	2	4
6	2	2	2	5	3	4	4	4	3	4	4	4	4	4	4	4	4	2	1	2	2	2	2	3	3	5
7	2	2	2	3	2	2	2	2	3	4	5	5	5	6	5	4	5	4	2	1	1	1	1	1	3	6
8	1	1	1	1	1	1	1	2	1	0	1	2	1	1	3	2	1	1	1	0	0	1	2	1	1	3
9	2	3	2	3	2	0	0	3	1	0	4	4	5	4	4	6	4	2	1	4	4	4	4	1	3	6
10	1	1	0	0	1	1	2	2	2	3	3	4	4	3	4	4	2	1	1	1	3	2	1	1	2	4
11	2	2	3	2	3	3	3	3	4	4	4	4	4	4	4	3	2	1	1	0	0	0	1	1	2	4
12	2	2	2	2	2	2	3	2	1	1	2	2	4	2	4	2	2	1	1	1	1	1	1	1	2	4
13	2	2	2	3	4	4	4	2	3	4	3	3	3	4	4	4	3	2	0	(CM)	1	1	1	2	3	4
14	2	3	2	3	2	2	3	4	2	4	4	4	4	5	4	4	4	3	(CM)	1	3	2	2	2	3	5
15	3	4	3	3	3	2	2	2	1	5	4	4	4	4	5	4	3	3	(CM)	1	1	2	3	4	3	5
16	4	5	6	5	6	3	3	3	3	4	4	4	4	4	4	4	4	4	1	2	4	2	3	4	4	6
17	4	4	5	5	4	3	3	4	6	4	2	6	6	6	6	7	6	4	4	1	1	1	2	3	4	7
18	3	3	4	3	3	4	3	4	7	5	7	6	8	7	6	6	6	4	3	1	1	2	0	0	4	8
19	1	0	2	1	1	1	0	1	3	6	5	4	5	4	3	8	7	5	1	1	0	(CM)	(CM)	0	3	8
20	1	1	1	1	1	1	1	1	0	1	2	2	2	3	3	2	3	2	0	(CM)	1	1	2	1	2	3
21	3	3	3	2	4	4	4	3	2	3	3	5	4	4	4	4	3	3	3	1	1	2	3	3	3	5
22	1	2	2	4	2	3	2	1	5	6	4	4	6	4	4	4	3	3	1	1	1	(CM)	2	4	3	6
23	3	3	3	2	2	2	3	3	5	5	4	2	6	6	6	4	4	3	1	1	2	3	3	4	3	6
24	3	1	1	1	2	1	(CM)	0	0	1	5	5	6	6	7	6	4	4	1	(CM)	3	2	3	3	3	7
25	2	1	2	1	0	2	1	3	1	1	1	1	2	2	3	3	3	2	3	1	1	0	1	2	2	3
26	2	2	1	2	2	1	1	1	1	1	2	1	2	4	4	4	4	4	2	1	1	2	2	2	2	4
27	2	4	2	1	0	2	2	1	2	2	1	2	2	2	3	3	5	7	5	2	(CM)	0	2	2	2	7
28	2	2	2	2	0	1	4	3	2	4	4	4	3	4	4	3	2	2	2	1	2	(CM)	0	1	2	4
29	2	3	3	1	2	1	1	1	1	1	1	2	2	3	3	5	3	2	1	1	2	2	1	2	2	5
30	2	2	3	3	2	1	2	3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	3
AV	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	3	3	2	1	2	2	2	2	3	
PK	4	5	6	5	6	4	4	4	7	6	7	6	8	7	7	8	7	7	5	4	4	4	4	4		8

(06/21/79-RPI)

WIND SPEED @ 10M
METERS/SEC

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	1	1	1	1	1	1	1	1	2	1	4	1	2	2	2	2	2	1	1	1	1	1	1	1	4
2	1	1	1	1	1	1	1	0	1	1	4	4	3	4	4	3	2	1	2	1	1	1	1	1	2	4
3	0	1	1	0	1	1	1	1	1	1	1	2	2	3	4	3	4	4	3	3	2	2	1	2	2	4
4	2	2	1	1	1	2	3	3	3	4	5	6	6	6	6	5	3	4	4	4	3	3	3	3	3	6
5	4	3	2	2	1	2	2	1	3	2	3	4	4	4	5	4	4	3	4	5	4	3	3	4	3	5
6	2	1	1	1	2	2	2	2	4	7	6	5	5	5	5	5	6	3	3	2	2	2	2	3	3	7
7	3	2	2	3	4	5	5	5	6	7	7	7	7	7	7	7	6	5	4	2	(CM)	3	2	1	5	7
8	1	1	1	(CM)	1	(CM)	(CM)	1	1	1	2	2	2	3	3	2	2	2	2	2	2	1	1	1	2	3
9	1	(CM)	1	1	1	1	1	1	1	1	5	6	7	6	5	6	4	3	2	1	3	5	3	1	3	7
10	1	1	1	2	1	1	2	1	1	3	4	4	5	5	5	5	4	2	2	2	3	3	2	2	3	5
11	2	2	3	3	3	3	3	3	4	5	5	5	4	4	5	4	2	1	1	1	2	1	2	2	3	5
12	1	1	2	1	(CM)	1	1	1	(CM)	2	3	3	4	2	3	2	3	2	2	1	2	1	1	2	2	4
13	1	2	3	1	2	2	4	5	6	7	6	5	7	7	6	6	6	5	4	5	5	5	4	3	4	7
14	2	2	3	1	1	1	1	1	4	5	5	5	5	6	5	6	5	5	4	3	3	2	1	1	3	6
15	3	5	3	3	2	3	3	3	5	6	5	5	5	6	6	6	5	4	3	3	1	1	1	1	4	6
16	2	2	2	2	3	4	1	2	3	4	5	5	5	5	4	5	4	4	3	3	3	4	4	5	4	5
17	5	3	3	4	3	5	7	5	7	8	7	7	9	8	8	8	6	6	6	5	4	6	5	5	6	9
18	4	5	7	7	7	6	6	7	7	8	9	10	9	9	9	9	9	9	7	3	3	3	3	3	7	10
19	2	2	2	3	2	2	2	3	5	6	6	6	6	6	6	7	6	5	2	1	1	2	2	2	3	7
20	2	2	2	1	(CM)	1	1	1	2	1	3	3	4	3	4	3	3	3	3	3	3	1	1	2	2	4
21	1	1	1	1	1	1	1	1	2	4	4	5	5	4	5	5	5	3	3	2	3	1	(CM)	1	3	5
22	2	2	1	1	1	5	6	7	7	6	6	7	7	7	7	6	4	4	3	3	3	3	4	4	4	7
23	2	3	4	5	5	4	5	5	7	8	7	7	8	8	7	7	6	5	3	4	4	3	2	2	5	8
24	2	1	2	3	3	3	2	1	1	2	6	7	7	8	8	7	7	5	4	2	3	4	5	5	4	8
25	4	2	2	3	1	1	1	2	1	2	2	3	2	3	3	3	(IM)	(IM)	3	1	1	2	1	2	2	4
26	1	1	1	1	(CM)	1	1	1	1	1	2	2	3	3	4	4	5	4	3	2	3	2	1	1	2	5
27	1	2	2	2	2	1	1	1	1	2	1	3	2	2	3	3	5	5	5	3	3	2	1	2	2	5
28	2	1	2	2	2	1	1	1	3	5	5	4	4	4	4	4	3	2	3	2	2	2	2	1	3	5
29	1	1	1	1	1	1	1	1	2	1	2	2	2	2	4	3	3	2	1	2	2	1	2	1	2	4
30	1	1	1	1	1	1	1	1	1	3	4	3	3	3	4	6	3	4	3	2	2	2	2	2	2	6
AV	2	2	2	2	2	2	2	2	3	4	4	5	5	5	5	5	4	4	3	2	2	2	2	2	3	
PK	5	5	7	7	7	6	7	7	7	8	9	10	9	9	9	9	9	9	7	5	5	6	5	5		10

(06/21/79-RPI)

WIND SPEED @ 30M
METERS/SEC

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	( )	( )
8	(IM)	(IM)	(IM)	(CM)	(IM)	(CM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
9	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
12	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
15	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	9	10	13	12	13	11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	13
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
24	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
26	(IM)	(IM)	(IM)	(IM)	(CM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
27	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	
PK	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	9	10	13	12	13	11	( )	( )	( )	( )	( )	( )		( )

(06/21/79-RPI)

WIND SPEED @ 60M
METERS/SEC

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	1	2	2	1	1	1	2	2	1	2	1	4	2	3	2	2	2	2	2	2	1	0	1	1	2	4
2	1	1	1	1	2	2	1	(CM)	1	1	4	4	4	4	4	3	2	1	2	2	1	1	0	1	2	4
3	(CM)	0	1	(CM)	0	(CM)	1	1	1	1	2	2	1	3	5	4	5	4	4	4	3	2	1	2	2	5
4	3	3	2	1	1	3	6	5	4	4	6	7	7	7	7	5	4	5	5	6	5	5	6	5	5	7
5	6	6	5	4	4	4	4	2	3	3	4	5	5	5	5	5	4	4	5	6	6	6	5	5	5	6
6	5	2	1	3	5	4	3	3	5	8	6	6	6	6	6	5	7	4	4	3	3	4	4	5	4	8
7	7	3	5	6	7	9	8	7	8	8	8	8	8	8	8	8	7	6	6	4	5	4	2	2	6	9
8	1	1	1	1	(CM)	1	(CM)	1	1	1	2	2	2	3	3	2	2	2	2	3	1	1	0	1	2	3
9	1	1	1	2	2	1	1	1	1	1	6	8	8	7	6	7	5	4	4	3	4	7	5	2	4	8
10	1	2	2	3	1	1	2	1	2	2	4	5	6	5	6	6	5	3	2	2	3	4	3	3	3	6
11	3	3	4	3	3	4	4	3	4	5	6	5	5	5	5	4	3	2	2	1	2	1	2	3	3	6
12	1	1	1	1	(CM)	1	0	1	1	2	3	4	5	2	4	2	4	2	3	1	3	2	2	4	2	5
13	3	5	5	4	5	5	6	7	7	8	6	6	9	8	8	7	8	7	6	8	8	9	8	7	7	9
14	5	5	6	4	4	3	2	2	5	6	5	6	6	6	6	6	6	6	5	5	5	3	2	3	5	6
15	8	8	7	6	2	6	5	5	6	6	6	5	6	7	7	8	6	5	5	5	3	2	1	1	5	8
16	2	2	2	2	5	7	3	3	4	4	5	6	6	6	5	5	5	4	4	3	5	5	6	7	4	7
17	8	3	5	5	3	7	9	7	8	9	8	8	10	9	10	9	7	7	8	7	6	9	8	8	7	10
18	7	7	9	9	9	7	8	8	9	10	11	12	11	11	11	11	11	11	9	5	5	5	6	5	9	12
19	3	3	3	4	3	3	3	3	5	6	7	7	7	7	7	7	6	5	2	1	1	2	3	3	4	7
20	2	2	1	1	(CM)	(CM)	1	1	2	1	3	3	4	4	4	4	4	4	4	4	4	2	2	2	3	4
21	2	1	(CM)	1	2	3	3	2	2	4	4	6	6	5	5	5	5	4	4	3	3	3	3	3	3	6
22	3	1	2	2	2	8	9	8	8	7	6	8	8	8	8	7	5	4	4	4	5	6	5	6	6	9
23	4	6	5	6	6	6	7	6	8	9	8	8	9	10	8	8	8	7	4	6	6	4	3	2	7	10
24	3	2	3	4	3	3	2	1	1	2	7	8	8	9	10	9	8	6	5	4	5	4	6	6	5	10
25	4	3	2	3	1	1	1	3	1	2	3	3	3	3	3	3	(IM)	(IM)	4	3	1	1	2	1	2	4
26	1	(CM)	1	(CM)	0	1	1	1	1	2	2	2	3	4	4	4	5	4	4	4	5	4	2	1	3	5
27	1	2	1	2	1	1	1	1	1	2	1	3	3	2	3	3	6	6	6	4	4	4	2	3	3	6
28	4	3	3	3	3	2	1	1	3	6	6	4	4	4	4	4	4	2	3	3	3	3	3	2	3	6
29	1	1	1	1	1	1	1	1	2	2	2	2	2	2	5	4	4	3	2	3	3	2	2	1	2	5
30	1	(CM)	1	2	2	1	1	1	1	3	5	4	3	4	4	7	4	4	4	3	2	2	2	2	3	7
AV	3	3	3	3	3	3	3	3	4	4	5	5	6	6	6	5	5	4	4	4	4	4	3	3	4	
PK	8	8	9	9	9	9	9	8	9	10	11	12	11	11	11	11	11	11	9	9	8	9	8	8		12

II B-828

(06/21/79-RPI)

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD42 PERIOD(4/01/79 TO 4/30/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	1	1	2	2	3	2	2	2	3	4	2	2	1	1	1	1	1	1	2
2	1	1	1	1	1	1	2	2	2	2	3	4	4	5	5	4	3	2	2	2	1	1	1	1	2
3	2	2	1	1	1	1	1	1	1	2	2	3	3	4	5	3	6	4	3	2	1	1	1	1	2
4	2	2	2	2	2	2	2	3	4	0	5	6	6	6	6	5	4	4	4	4	2	2	2	3	3
5	2	2	2	2	2	2	2	2	3	4	4	0	5	5	5	5	4	4	4	3	2	2	2	3	3
6	3	3	3	3	4	4	4	4	4	6	6	5	6	5	6	6	5	4	3	4	2	2	2	3	4
7	2	2	2	2	2	3	3	5	6	8	8	8	8	8	8	8	7	6	4	3	2	1	1	1	4
8	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	1	1	1	0	2	5	7	7	6	6	7	5	4	1	2	1	4	2	2	3
10	1	2	2	2	2	2	2	2	3	4	4	5	5	5	5	4	3	1	2	2	4	3	2	2	3
11	3	4	3	3	3	3	3	4	9	5	9	5	5	5	4	3	2	1	1	1	0	1	2	1	3
12	2	0	1	1	2	2	2	1	0	3	4	4	3	3	4	4	3	2	2	2	2	2	2	2	2
13	2	2	2	2	2	3	3	3	5	7	6	5	6	7	7	6	6	5	5	5	4	2	2	2	4
14	2	2	2	2	2	2	2	2	3	4	5	6	7	6	6	6	6	5	5	3	3	2	2	2	4
15	3	3	4	3	3	3	2	2	4	7	7	5	6	7	7	6	5	4	4	3	2	2	2	2	4
16	2	3	4	4	3	4	3	2	4	5	5	5	7	6	5	5	5	4	4	4	3	2	2	2	4
17	3	9	6	6	4	5	5	6	8	9	13	9	9	9	9	9	6	6	7	3	3	9	5	5	7
18	5	5	6	6	6	6	6	7	9	9	10	10	11	10	10	9	10	8	1	3	3	4	4	3	7
19	1	3	2	3	1	1	1	3	5	7	8	7	7	6	6	9	8	5	2	1	1	1	1	1	4
20	1	1	1	1	1	1	2	2	2	2	4	4	5	4	4	4	4	4	4	3	2	2	2	2	2
21	2	2	2	3	3	3	3	2	2	4	5	6	6	5	6	6	5	5	4	3	3	3	2	2	4
22	2	2	2	2	2	3	3	8	8	7	7	8	8	7	7	6	4	4	4	4	1	4	2	2	4
23	2	3	3	2	2	2	3	9	7	7	8	8	8	9	8	8	7	5	4	4	4	3	2	2	5
24	2	2	2	4	4	3	1	1	1	2	7	13	9	9	8	8	7	6	4	1	4	4	4	4	5
25	3	3	2	2	2	2	2	2	2	2	3	3	3	4	4	4	5	4	3	1	2	1	1	2	3
26	2	1	2	1	1	1	1	1	1	2	2	3	4	5	5	5	6	5	4	3	2	2	2	2	3
27	2	3	1	2	1	2	1	1	2	2	3	3	3	3	3	4	6	7	6	3	2	2	2	2	3
28	2	2	1	1	0	2	2	2	3	6	5	5	9	5	5	5	4	3	3	2	2	3	2	1	3
29	1	1	2	2	1	1	1	1	1	2	2	3	3	2	3	4	3	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	3	4	4	6	6	7	4	5	3	2	1	1	1	4	3
MEAN	2	2	2	2	2	2	2	3	3	4	5	5	6	6	6	6	5	4	3	3	2	2	2	2	3

TOTAL NUMBER OF OBSERVATIONS = 720

DIURNAL VALUES OF WIND SPEED AT 10 METERS(MPS)
MRI STATION = AD56 PERIOD(4/01/79 TO 4/30/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	1	1	0	2	2	2	2	1	2	3	3	3	2	1	1	1	1	1	1	1
2	1	1	1	1	1	2	2	2	2	2	2	2	3	4	3	3	2	2	1	1	1	1	1	1	2
3	2	2	2	2	2	2	2	2	2	1	2	3	3	3	3	2	4	3	2	1	1	1	1	1	2
4	1	1	2	2	2	2	2	3	3	3	4	4	4	4	3	3	1	1	1	1	1	1	2	2	2
5	2	2	2	2	1	1	1	2	2	2	3	3	3	3	3	3	3	1	1	1	2	2	2	2	2
6	2	2	1	2	2	2	2	3	3	3	3	4	4	4	3	4	3	1	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	3	5	5	5	6	5	5	5	4	3	2	2	2	2	2	2	1	3
8	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
9	1	1	1	1	1	1	1	1	1	2	3	4	4	4	4	4	3	1	4	2	3	3	2	1	2
10	0	1	1	1	1	1	1	2	2	3	3	2	2	2	3	4	2	4	1	1	1	1	1	1	2
11	1	1	1	1	1	1	1	2	3	4	4	4	3	3	3	3	1	1	1	1	1	1	1	1	2
12	1	1	2	2	2	1	1	2	1	3	3	3	2	2	3	3	2	1	1	2	OE	OE	OE	OE	2
13	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	4	3	3	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	3	3	3	4	4	4	5	5	4	5	4	3	0	2	2	2	2	2	3
15	2	2	2	2	2	1	2	2	3	5	5	4	3	4	4	4	3	2	2	2	2	2	2	2	3
16	2	2	2	3	2	2	2	3	2	3	3	4	5	4	3	3	2	1	1	1	2	2	1	2	2
17	2	2	3	3	2	2	2	3	3	4	4	5	6	6	4	3	3	2	2	1	1	1	2	2	3
18	2	2	2	2	2	2	3	4	4	6	7	7	8	7	6	6	5	4	2	1	2	1	1	0	4
19	2	1	1	1	1	1	1	3	4	4	5	5	4	4	4	6	5	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	2	1	2	3	3	3	3	3	3	3	2	2	2	2	2	1	1	0	2
21	2	1	1	1	1	2	2	2	2	3	3	4	4	3	3	3	3	2	2	2	2	2	1	1	2
22	1	2	2	2	2	2	3	3	4	3	4	5	9	4	4	3	2	2	1	1	1	2	2	2	3
23	2	2	2	2	2	2	2	3	3	4	4	0	5	6	6	5	4	1	1	1	2	2	2	1	3
24	2	1	1	1	1	1	1	1	1	2	5	5	5	6	6	5	3	2	2	2	3	3	4	4	3
25	3	1	1	1	1	1	1	2	2	2	2	3	3	3	3	4	4	3	2	2	2	2	2	1	2
26	1	1	1	1	1	1	2	2	2	2	2	3	4	4	4	3	3	2	2	2	2	2	2	2	2
27	2	2	2	1	1	1	2	2	2	2	3	3	3	3	2	3	3	3	2	1	1	1	2	2	2
28	2	1	2	2	2	2	2	2	0	5	4	4	3	4	4	3	2	3	1	2	2	2	2	2	2
29	2	1	1	1	1	1	1	1	2	2	2	3	2	2	3	4	2	2	2	2	2	2	2	1	2
30	1	2	2	1	2	2	2	2	2	2	3	3	3	4	4	3	3	2	2	1	1	1	1	1	2
MEAN	2	1	1	1	1	2	2	2	2	3	3	4	4	4	4	4	3	2	2	2	2	2	2	1	2

TOTAL NUMBER OF OBSERVATIONS = 702

WIND DIRECTION @10M
DEGREES

CB-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	332	(VA)	(VA)	303	305	305	(VA)	125	107	72	108	114	127	126	( )
3	131	130	125	130	124	135	118	123	116	(VA)	(VA)	270	255	292	277	286	232	198	319	(VA)	95	107	108	120	147
4	126	127	133	130	131	125	104	100	132	200	214	226	216	227	210	242	255	(VA)	(VA)	40	57	88	93	93	144
5	92	96	91	90	124	101	92	100	165	260	260	(VA)	175	163	210	195	215	190	125	107	91	110	108	107	133
6	103	95	123	133	122	122	133	132	110	161	155	162	193	195	190	180	208	217	168	105	116	123	107	114	143
7	100	105	110	110	105	105	100	105	215	218	220	218	215	218	225	230	242	250	250	(VA)	330	(VA)	(VA)	100	179
8	117	105	105	115	105	115	110	125	105	105	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	(VA)	95	90	120	115	105	109
9	115	142	115	137	130	100	90	135	95	(VA)	177	175	180	225	225	220	240	195	115	(VA)	110	105	100	110	143
10	107	92	87	(VA)	304	(VA)	303	285	278	311	325	286	287	290	289	316	340	310	280	287	286	285	285	277	299
11	282	286	283	280	275	277	279	277	280	295	315	302	280	282	260	309	292	48	330	95	78	102	104	95	298
12	98	95	97	95	100	100	100	97	100	(VA)	305	(VA)	15	(VA)	285	290	210	110	(VA)	110	107	120	104	95	99
13	105	95	98	130	130	129	127	103	(VA)	172	173	155	204	220	216	215	218	190	123	65	105	98	96	100	139
14	115	112	110	115	102	107	108	128	123	197	191	194	198	227	213	212	208	199	130	110	125	102	106	100	144
15	113	118	108	108	101	107	100	94	109	188	185	196	203	230	238	233	198	191	112	80	92	96	123	134	139
16	131	132	134	134	135	112	100	120	107	140	186	(VA)	(VA)	162	168	142	148	135	140	122	132	115	131	130	134
17	144	114	128	118	123	135	120	108	143	146	153	167	202	194	182	169	140	140	132	115	102	103	108	128	137
18	126	126	118	133	124	122	135	167	162	204	200	205	208	200	203	196	(VA)	217	252	(VA)	97	101	(VA)	(VA)	164
19	110	(VA)	108	(VA)	(VA)	322	(VA)	(VA)	255	260	251	236	242	225	215	290	295	305	(VA)	135	75	75	95	100	229
20	107	100	105	105	105	105	115	128	(VA)	(VA)	315	330	255	280	267	230	230	205	160	78	95	97	125	110	129
21	131	135	137	126	130	130	128	135	105	(VA)	208	203	190	204	235	215	250	245	267	(VA)	112	133	142	140	163
22	103	103	115	138	97	120	97	(VA)	170	162	163	175	167	171	185	181	178	230	(VA)	118	117	82	122	136	141
23	123	130	121	105	98	96	105	133	155	175	173	180	188	181	220	208	190	(VA)	(VA)	100	105	128	123	130	143
24	127	110	(VA)	(VA)	295	(VA)	100	70	(VA)	(VA)	268	232	247	218	250	250	215	255	(VA)	70	(VA)	(VA)	(VA)	340	232
25	312	315	292	(VA)	97	20	47	285	273	(VA)	345	(VA)	(VA)	287	(VA)	325	345	350	355	47	120	92	93	103	360
26	116	100	100	105	107	95	97	112	(VA)	(VA)	321	(VA)	(VA)	295	300	282	286	280	292	50	98	96	107	116	86
27	125	125	108	95	90	105	117	103	300	288	(VA)	(VA)	290	245	230	285	295	277	285	250	(VA)	100	95	100	151
28	95	105	102	105	90	100	135	132	(VA)	330	25	327	305	295	315	330	280	175	35	65	115	103	105	100	75
29	107	105	135	100	100	88	100	95	332	(VA)	(VA)	(VA)	17	(VA)	(VA)	145	292	260	60	105	112	110	102	110	98
30	105	105	130	130	110	95	105	130	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )
PV	114	111	114	118	112	107	107	118	145	205	230	216	225	232	236	240	239	215	144	90	100	105	110	111	140

(06/21/79-RPI)

WIND DIRECTION @ 10M
DEGREES

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	201	129	141	238	222	274	311	304	302	308	340	340	342	357	73	106	128	122	16	359	121	219	204	209	279
2	256	22	252	267	186	205	68	96	89	223	211	214	226	255	304	303	274	79	131	169	176	206	247	238	220
3	83	240	216	199	227	287	152	53	359	350	2	281	315	268	248	246	256	208	298	241	239	228	162	179	249
4	216	187	94	88	100	158	191	192	202	204	208	202	208	208	210	213	199	214	219	206	203	203	201	194	194
5	205	204	192	188	196	191	194	80	206	251	212	204	182	201	206	199	202	190	173	174	189	189	181	170	193
6	142	25	89	102	149	135	138	95	163	170	173	173	188	187	190	192	191	206	184	172	190	195	195	197	166
7	199	199	199	199	203	201	199	201	202	205	211	209	209	211	210	215	228	233	227	270	(VA)	347	12	311	217
8	227	227	211	(VA)	323	(VA)	(VA)	10	27	50	4	24	205	184	153	278	247	234	212	211	211	117	265	174	227
9	151	(VA)	182	148	183	245	60	67	346	280	190	190	189	208	212	218	222	192	206	296	104	149	141	111	183
10	93	111	96	103	274	287	283	308	292	294	323	307	302	318	314	336	352	355	332	307	286	292	294	297	314
11	271	276	281	284	282	291	295	297	303	324	329	322	315	314	328	345	322	12	316	296	278	268	266	244	300
12	243	243	243	243	(VA)	243	243	223	(VA)	345	330	354	347	16	301	253	211	205	248	144	174	337	198	198	253
13	206	190	195	183	179	172	183	178	191	187	188	198	206	205	211	208	213	210	198	194	195	199	197	194	195
14	190	201	188	276	359	316	12	7	209	211	211	203	203	220	207	210	206	201	186	186	167	166	66	191	205
15	181	180	184	182	54	195	184	187	190	187	196	202	215	215	217	219	214	212	196	187	2	10	292	76	197
16	67	74	78	82	132	170	346	158	164	172	179	184	190	195	170	162	171	170	181	159	160	170	159	153	156
17	149	48	101	122	73	173	170	154	163	168	182	184	197	196	185	182	160	163	162	169	162	161	162	161	160
18	158	169	177	180	181	185	187	190	190	190	202	202	197	197	205	196	206	205	221	238	225	196	202	213	196
19	217	295	31	138	210	246	248	237	228	223	219	210	218	214	218	236	292	281	336	213	341	254	260	240	242
20	236	224	217	232	(VA)	242	119	337	358	332	289	261	244	227	211	220	204	218	203	191	204	254	180	213	230
21	142	350	166	348	185	131	115	72	297	191	183	187	203	217	213	217	220	231	238	207	196	142	(VA)	260	197
22	203	213	252	197	339	173	181	179	174	168	182	185	186	185	180	181	194	219	236	185	189	168	184	178	193
23	183	188	179	171	173	183	161	162	172	182	184	186	183	193	204	214	207	205	213	205	200	176	122	112	132
24	149	285	226	274	266	250	249	263	356	347	217	215	218	223	222	217	217	218	237	229	283	338	29	354	252
25	342	357	313	359	134	198	185	339	332	351	343	10	317	316	308	339	(IM)	(IM)	352	359	157	198	188	65	336
26	222	236	231	92	(VA)	305	262	350	360	196	331	307	261	262	281	301	274	287	277	212	205	187	61	81	269
27	104	90	199	227	204	131	349	297	289	331	267	324	357	253	270	286	255	263	262	225	200	201	175	201	243
28	194	201	322	121	181	158	113	8	310	344	357	334	319	324	314	332	343	124	28	36	90	124	171	168	15
29	302	110	101	250	200	214	313	272	334	334	342	315	37	326	207	320	327	302	291	264	244	197	200	73	299
30	197	194	131	143	203	290	62	56	9	227	215	259	275	293	293	254	257	272	254	212	190	207	258	265	239
PV	190	200	186	185	194	213	190	244	265	243	236	236	233	235	229	236	228	216	234	213	196	200	196	190	225

II B-832

(06/21/79-RPI)

WIND DIRECTION @ 30M
DEGREES

C8-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	286	315	248	276	267	294	310	307	302	304	335	338	336	355	76	105	129	124	25	341	36	221	207	205	309
2	252	343	251	260	181	195	115	135	95	221	210	214	225	260	305	302	250	85	130	167	140	198	240	249	213
3	295	269	253	267	280	306	186	78	344	346	355	275	303	266	249	244	256	209	298	241	240	235	304	162	270
4	196	189	152	102	131	166	191	193	203	205	208	203	209	208	209	214	201	213	219	206	205	205	202	195	195
5	207	205	192	190	191	193	196	129	206	246	212	204	183	200	205	199	202	191	172	173	186	185	175	169	192
6	164	157	116	136	156	143	141	108	162	169	171	172	187	187	191	192	192	206	186	172	196	202	202	203	172
7	198	199	197	198	204	202	200	202	203	205	212	209	209	212	212	215	227	233	228	271	(VA)	359	12	333	217
8	246	237	219	(VA)	326	(VA)	(VA)	16	28	51	3	16	199	181	159	270	254	229	211	216	220	138	247	203	232
9	165	(VA)	174	140	170	249	8	69	339	265	190	191	189	208	211	218	222	193	206	288	104	148	142	121	187
10	107	112	98	102	190	286	284	302	292	297	321	309	307	321	316	336	351	353	330	307	287	293	295	297	313
11	272	276	282	285	284	294	296	298	301	321	326	323	315	312	328	340	321	8	345	333	324	319	318	307	312
12	307	307	307	306	(VA)	307	307	256	(VA)	340	331	352	346	13	300	259	211	206	248	155	174	313	250	198	287
13	203	190	194	183	181	177	184	179	191	187	189	199	207	206	210	208	213	210	199	195	197	201	198	195	196
14	193	198	191	226	193	258	261	329	209	212	211	203	204	219	208	211	207	200	187	184	166	173	146	200	204
15	181	180	181	185	46	189	195	194	190	187	195	202	215	214	216	218	213	212	196	186	320	346	260	162	201
16	92	92	85	93	151	171	236	161	164	171	179	184	190	195	170	161	170	170	182	163	155	168	157	150	160
17	150	54	100	124	74	171	170	154	163	168	182	184	197	196	185	181	159	161	161	169	164	160	160	160	160
18	157	170	177	179	182	185	188	190	190	190	201	201	197	198	204	196	206	205	221	236	224	198	204	214	196
19	223	289	19	130	215	249	249	235	228	223	219	211	219	214	219	236	291	281	334	211	189	261	265	248	238
20	248	236	226	230	(VA)	261	174	41	355	321	285	258	241	226	212	219	203	217	205	192	204	220	174	207	228
21	163	19	147	30	160	164	142	86	286	192	184	187	203	217	212	217	219	231	238	211	199	165	(VA)	193	192
22	204	204	228	194	276	173	180	179	173	168	181	186	186	184	180	181	194	219	236	187	186	189	184	176	192
23	183	187	175	165	168	177	161	162	171	181	184	186	182	193	203	214	207	205	213	205	201	182	122	110	182
24	155	273	239	280	268	252	247	223	350	343	217	216	218	223	222	217	217	218	237	229	280	336	27	353	250
25	341	355	310	357	111	194	188	335	331	348	341	7	317	310	305	338	(IM)	(IM)	351	3	140	189	224	58	335
26	222	253	241	101	(VA)	33	278	347	358	192	325	298	253	259	280	298	276	287	278	216	205	209	143	94	264
27	97	89	182	269	202	251	327	285	284	323	234	325	352	242	267	283	255	264	263	225	203	198	192	204	251
28	198	202	316	78	173	193	177	0	308	341	356	331	319	320	314	330	342	139	25	33	85	112	158	139	354
29	305	131	113	263	226	233	269	264	330	331	340	301	52	325	204	319	325	300	287	269	253	209	206	103	279
30	176	228	122	145	183	261	61	63	232	223	215	257	273	289	294	254	256	271	253	217	195	211	252	271	234
PV	202	216	195	186	193	219	211	194	252	241	233	236	231	235	228	236	228	216	233	215	197	204	206	188	228

(06/21/79-RPI)

WIND DIRECTION @ 60M
DEGREES

CR-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	288	233	226	277	310	325	340	336	333	334	8	10	7	20	87	135	160	154	40	14	146	241	237	232	319
2	290	335	281	289	211	226	12	(VA)	125	250	240	242	255	289	336	332	304	122	162	200	185	214	228	248	252
3	(VA)	249	271	(VA)	296	(VA)	190	72	2	15	23	259	323	296	279	274	289	237	329	272	270	265	40	192	294
4	237	219	279	106	130	201	221	223	232	235	238	230	238	238	239	244	231	243	249	236	235	235	231	225	229
5	237	231	221	219	229	223	226	297	236	278	243	233	213	229	235	228	229	221	202	202	216	215	205	198	227
6	208	264	129	169	187	173	169	132	193	199	201	201	217	217	220	222	222	235	216	202	225	229	231	233	205
7	229	252	236	227	234	232	230	230	233	233	241	237	239	242	242	245	257	263	258	302	332	36	37	4	252
8	240	254	248	354	(VA)	14	(VA)	17	56	86	13	311	233	212	189	300	296	263	241	244	240	110	242	232	267
9	200	280	209	171	199	247	50	95	330	290	219	221	219	238	241	248	252	221	237	317	134	181	172	151	221
10	138	144	128	133	212	291	314	332	323	328	352	339	338	351	346	6	20	23	360	337	317	323	325	327	341
11	302	306	312	315	314	325	326	328	332	352	357	353	345	343	93	100	351	37	13	338	346	343	327	312	341
12	309	1	341	338	(VA)	282	255	265	332	10	1	22	16	38	331	277	239	236	278	197	204	329	287	227	306
13	239	221	224	222	213	208	214	209	219	217	217	228	235	236	239	238	243	240	229	226	227	231	228	225	226
14	226	231	221	282	257	284	312	330	238	242	241	233	233	249	237	240	236	230	217	214	196	219	317	235	244
15	213	210	212	226	360	223	259	233	220	216	223	232	245	244	246	248	243	242	226	216	311	328	287	267	243
16	351	69	106	111	190	200	272	196	194	201	209	213	218	222	199	192	200	200	211	193	185	198	187	180	195
17	180	68	130	154	100	202	200	184	192	198	212	214	225	224	215	211	189	191	191	198	194	190	190	190	190
18	187	199	207	209	211	215	217	220	220	219	231	231	226	227	234	225	236	235	251	266	255	226	234	243	226
19	266	319	48	161	250	279	279	267	257	235	222	215	223	218	222	240	295	285	336	225	37	271	276	262	259
20	261	251	242	239	(VA)	(VA)	197	352	358	318	287	260	244	229	215	222	206	222	210	198	211	217	179	209	235
21	181	74	(VA)	189	181	170	155	103	269	195	188	191	206	220	216	220	223	234	242	217	206	179	204	193	198
22	199	198	219	193	235	176	183	182	177	172	185	189	189	187	184	184	196	223	238	192	190	195	188	180	193
23	188	190	178	167	168	176	164	166	174	185	188	189	186	197	207	217	210	209	217	209	205	190	130	117	185
24	165	271	248	289	275	257	251	223	353	343	220	219	222	227	226	222	221	222	240	232	283	341	30	357	254
25	344	358	315	1	106	194	188	336	337	352	341	10	319	312	309	340	(IM)	(IM)	355	6	123	180	234	50	342
26	223	(VA)	281	(VA)	18	132	278	358	2	192	326	305	263	262	281	300	280	290	282	222	210	211	179	128	267
27	108	89	173	298	190	258	303	287	287	325	227	325	354	240	270	285	257	267	266	228	207	202	197	211	253
28	208	215	315	58	176	211	226	349	310	345	359	334	322	323	316	333	346	147	29	35	83	105	151	155	342
29	289	139	115	273	246	241	267	267	334	334	344	288	58	328	211	320	326	303	290	278	265	224	220	139	280
30	158	(VA)	141	143	175	248	75	66	214	225	219	260	277	291	296	257	259	274	255	222	203	215	256	279	233
PV	227	239	225	218	216	230	240	273	272	261	253	255	252	253	243	250	249	235	253	236	219	223	226	216	250

(06/21/79-RPI)

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD4< PERIOD(4/01/79 TO 4/30/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	111	122	98	242	142	323	273	263	269	297	151	177	115	111	158	139	138	135	117	20	144	181	88	178	142
2	34	185	301	58	168	96	113	113	103	87	224	247	207	296	291	274	153	136	105	62	142	119	114	100	123
3	102	105	88	91	90	86	92	81	81	263	290	292	191	235	268	258	229	209	303	207	113	150	119	153	150
4	82	118	71	81	88	107	63	95	184	203	220	213	238	247	211	226	239	240	244	217	212	98	207	182	182
5	214	209	137	66	122	94	111	93	210	238	271	186	203	182	222	185	215	212	173	164	83	89	104	74	162
6	76	92	92	104	111	108	100	88	110	178	174	172	169	205	213	224	226	221	207	163	53	82	102	70	136
7	81	100	127	92	74	203	103	227	213	217	226	222	237	228	244	234	249	236	236	259	331	313	159	65	211
8	280	25	96	98	85	101	79	65	112	149	139	241	330	267	176	269	274	270	215	186	85	85	98	102	120
9	88	92	86	104	102	91	80	98	61	221	219	189	194	222	220	216	243	205	173	301	117	141	110	101	144
10	141	111	103	147	230	277	282	293	305	299	326	303	298	322	309	332	332	334	319	304	284	282	280	295	300
11	274	275	283	276	277	291	297	305	297	301	331	314	305	313	306	323	304	25	CM	CM	CM	CM	CM	CM	302
12	CM	CM	CM	CM	CM	CM	CM	339	118	333	339	40	315	158	317	271	214	154	237	255	162	122	102	161	216
13	96	102	93	105	77	97	92	156	208	209	206	173	202	210	204	212	209	211	186	179	185	75	56	70	155
14	62	89	60	89	78	87	119	85	51	207	226	190	198	225	204	196	193	206	196	174	66	79	54	108	132
15	101	57	73	83	74	75	56	54	55	195	210	206	216	220	228	218	200	206	197	180	101	69	69	73	128
16	99	86	92	93	98	84	79	67	73	133	197	206	173	151	137	155	146	142	155	132	127	313	66	66	117
17	52	52	91	142	110	153	162	130	104	159	169	175	228	210	161	176	145	164	147	140	106	153	157	142	147
18	129	156	162	164	175	164	172	177	168	211	206	198	220	229	228	231	212	211	214	282	197	181	193	276	197
19	272	279	328	147	83	209	284	89	216	245	248	202	176	223	217	181	275	261	322	292	97	13	243	260	243
20	74	120	93	74	96	91	73	51	32	304	276	220	284	256	240	271	196	220	206	168	193	88	104	72	134
21	110	78	77	88	95	86	99	87	56	228	203	219	220	235	242	196	209	250	256	233	186	73	114	100	153
22	75	47	88	100	107	102	71	164	131	180	169	167	172	155	216	161	165	176	233	195	178	177	78	54	145
23	76	52	89	28	62	38	125	79	161	189	176	177	200	193	218	217	167	206	196	219	179	189	113	114	153
24	134	63	236	267	267	271	255	274	224	48	256	206	248	234	228	226	223	245	233	253	233	326	31	33	250
25	313	314	286	232	47	212	322	303	21	261	297	21	251	37	307	302	298	302	14	8	116	14	334	80	327
26	156	81	109	89	84	109	59	37	211	300	175	35	301	283	287	263	287	266	291	229	76	76	81	32	64
27	97	77	81	96	163	66	102	110	272	281	58	83	157	272	242	244	265	258	273	240	209	64	105	107	139
28	73	94	55	313	152	86	72	108	177	328	12	266	273	271	327	295	297	90	88	26	100	121	165	24	54
29	49	85	99	276	94	109	52	329	324	296	286	13	180	75	144	131	84	305	272	255	273	82	61	87	51
30	86	94	72	72	98	71	77	54	65	0	264	191	325	276	284	295	256	251	273	237	143	138	108	260	71
MEAN	90	89	88	95	104	101	87	81	144	240	229	208	224	232	235	231	224	221	222	221	140	99	103	94	155

TOTAL NUMBER OF OBSERVATIONS = 707

DIURNAL VALUES OF WIND DIRECTION AT 10 METERS(DEG)
MRI STATION = AD56 PERIOD(4/01/79 TO 4/30/79)

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	61	133	120	272	340	243	299	328	301	316	35	297	114	221	129	105	114	64	280	176	129	247	51	50	42
2	59	192	307	91	148	74	111	51	63	56	236	223	159	309	305	244	148	96	89	155	163	122	135	119	123
3	101	120	126	136	111	118	97	60	61	66	299	181	177	269	256	274	182	180	293	13	148	125	135	110	135
4	308	103	121	89	73	92	76	79	152	150	199	177	186	212	177	173	167	231	229	94	88	110	92	122	136
5	92	100	112	119	134	137	122	133	174	170	287	169	186	161	182	146	179	161	104	130	82	99	115	132	137
6	112	136	140	110	160	100	99	82	66	120	125	156	172	156	157	175	168	184	155	107	110	111	127	102	130
7	102	152	102	116	147	132	125	65	155	170	176	163	169	174	172	177	196	204	186	191	331	162	152	163	156
8	91	112	159	165	146	114	103	66	51	227	179	97	113	255	185	224	146	172	159	109	117	90	125	87	132
9	157	96	90	63	159	157	124	141	171	50	167	152	157	188	191	185	256	175	235	290	106	78	58	89	142
10	106	83	93	94	308	235	309	216	304	290	303	218	291	308	302	292	329	262	313	251	299	76	206	177	283
11	228	218	304	243	206	214	215	278	316	314	301	300	309	311	309	309	214	101	169	278	125	115	46	94	264
12	156	160	145	157	104	156	157	120	122	55	340	68	29	43	304	301	177	59	265	187	70	OE	OE	OE	116
13	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	172	190	184	175	177	126	105	121	94	145	
14	136	127	88	133	129	131	94	60	61	167	199	175	172	174	181	180	173	167	158	76	110	114	71	133	135
15	80	127	74	90	148	135	168	71	38	169	177	180	176	183	181	182	173	195	179	123	125	147	91	149	143
16	90	56	120	69	70	132	124	62	54	170	183	181	179	184	185	133	191	151	174	194	123	119	179	129	133
17	45	115	172	90	91	125	124	120	129	139	152	171	177	179	175	159	127	134	119	161	127	158	148	116	137
18	176	88	127	134	117	140	147	148	177	176	220	178	197	188	192	185	201	194	194	181	139	167	204	159	163
19	168	230	104	173	232	141	310	327	179	213	217	191	172	209	226	321	316	234	266	186	149	134	153	111	199
20	95	173	135	157	116	161	83	75	120	79	267	184	224	200	258	276	219	185	182	141	146	139	154	138	159
21	134	100	124	110	62	133	59	57	50	120	180	173	181	191	181	219	181	243	242	180	131	141	107	98	140
22	119	170	166	84	141	87	90	149	140	155	164	170	182	181	180	180	162	202	217	160	77	140	90	91	147
23	98	104	120	150	117	107	0	90	136	163	172	172	178	193	199	195	193	189	244	65	107	122	135	133	144
24	96	156	123	204	188	204	51	53	329	309	166	136	226	223	178	201	194	240	240	168	311	264	69	288	203
25	299	64	292	187	139	172	67	319	297	310	198	318	111	328	300	315	322	313	336	164	148	145	121	143	236
26	118	167	158	173	154	165	75	79	343	132	354	112	72	331	318	325	306	294	213	147	111	136	136	151	127
27	167	151	93	156	114	161	92	68	313	322	318	310	326	316	89	310	263	300	309	273	173	92	146	152	182
28	149	155	168	120	110	150	67	78	329	311	292	347	304	319	313	309	265	67	40	123	112	162	168	158	103
29	146	82	158	79	101	92	79	72	328	322	269	312	81	24	163	106	305	199	162	85	77	135	157	124	103
30	99	141	77	118	75	162	88	65	289	195	173	321	174	217	310	304	204	199	265	129	74	166	186	145	157
MEAN	114	129	125	127	126	141	95	76	63	159	216	187	173	221	208	220	199	189	211	151	115	131	128	127	159

TOTAL NUMBER OF OBSERVATIONS = 703

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE, INC.

DAY	HOUR (LOCAL STANDARD TIME) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	VECTOR DIR	VEL
1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	****
2	***	***	***	***	***	***	***	***	***	***	332	***	***	303	305	305	***	125	107	72	108	114	127	126	****	****
3	131	130	125	130	124	135	118	123	116	***	***	270	255	292	277	286	232	198	319	***	95	107	108	120	201	0.4
4	126	127	133	130	131	125	104	100	132	200	214	226	216	227	210	242	255	***	***	40	57	88	93	93	172	1.4
5	92	96	91	90	124	101	92	100	165	260	260	***	175	163	210	195	215	190	125	107	91	110	108	107	160	1.2
6	103	95	123	133	122	122	133	132	110	161	155	162	193	195	190	180	208	217	168	105	116	123	107	114	148	2.6
7	100	105	110	110	105	105	100	105	215	218	220	218	215	218	225	230	242	250	250	***	330	***	***	100	208	2.0
8	117	105	105	115	105	115	110	125	105	105	***	***	***	***	***	***	***	***	***	95	90	120	115	105	111	1.2
9	115	142	115	137	130	100	90	135	95	***	177	175	180	225	225	220	240	195	115	***	119	105	100	110	161	1.9
10	107	92	87	***	304	***	303	285	278	311	325	286	287	290	289	316	340	319	280	287	286	285	285	277	298	1.9
11	282	286	283	280	275	277	279	277	280	295	315	302	280	282	280	309	292	48	330	95	78	102	104	95	291	2.0
12	98	95	97	95	100	100	100	97	100	***	305	***	15	***	285	290	210	110	***	110	107	120	104	95	69	0.9
13	105	95	98	120	130	129	127	103	***	172	173	155	204	220	216	215	218	190	123	65	105	98	96	100	156	1.9
14	115	112	110	115	102	107	108	128	123	197	191	194	198	227	213	212	208	199	130	110	125	102	106	100	161	2.1
15	113	118	108	108	101	107	100	94	109	188	185	196	203	230	238	233	198	191	112	80	92	96	123	134	159	1.9
16	131	132	134	134	135	112	100	120	107	140	186	***	***	162	168	142	148	135	140	122	132	115	131	130	136	3.5
17	144	114	128	118	123	135	120	108	143	146	153	167	202	194	182	169	140	140	132	115	102	103	103	128	145	3.6
18	126	126	118	133	124	122	135	167	162	204	200	205	208	200	203	196	***	217	252	***	97	101	***	***	173	3.5
19	110	***	108	***	***	322	***	***	255	260	251	236	242	225	215	290	295	305	***	135	75	75	95	100	262	2.6
20	107	100	105	105	105	105	115	128	***	***	315	330	255	280	267	230	230	205	160	78	95	97	125	110	189	0.3
21	131	135	137	126	130	130	128	135	105	***	208	203	190	204	235	215	250	245	267	***	112	133	142	140	169	2.1
22	103	103	115	138	97	120	97	***	170	162	163	175	167	171	185	181	178	230	***	118	117	82	122	136	155	2.9
23	123	130	121	105	98	96	105	133	155	175	173	180	188	181	220	208	190	***	***	100	105	128	123	130	156	2.8
24	127	110	***	***	295	***	100	70	***	***	268	232	247	218	250	250	215	255	***	70	***	***	***	340	245	3.0
25	312	315	292	***	97	20	47	285	273	***	345	***	***	287	***	325	345	350	355	47	120	92	93	103	343	1.0
26	116	100	100	105	107	95	97	112	***	***	321	***	***	295	300	282	286	290	292	50	98	96	107	116	322	0.3
27	125	125	108	95	90	105	117	103	300	288	***	***	290	245	230	285	295	277	285	250	***	100	95	100	261	0.7
28	95	105	102	105	90	100	135	132	***	330	25	327	305	295	315	330	280	175	35	65	115	103	105	100	21	0.6
29	107	105	135	100	100	88	100	95	332	***	***	***	17	***	***	145	292	260	60	105	112	110	102	110	107	1.1
30	105	105	130	130	110	95	105	130	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	****
VD	117	116	119	122	119	113	113	125	159	204	219	213	217	225	234	232	237	229	278	99	106	109	115	115	170	
VV	1.7	2.0	2.0	2.4	1.7	1.7	1.8	1.6	1.4	2.3	1.9	2.6	3.0	3.2	3.3	2.6	2.2	1.6	0.4	0.8	1.2	1.4	1.7	1.7		1.1

TOTAL NUMBER OF OBSERVATIONS = 582

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
10 METER LEVEL

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE, INC.

DAY	HOUR (LOCAL STANDARD TIME) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	VECTOR DIR	VEL
1	200	129	140	238	221	273	311	304	301	307	340	339	342	357	73	105	127	121	15	359	120	218	204	208	347	0.2
2	256	22	251	267	185	204	67	96	88	223	210	214	225	254	303	303	274	79	151	168	176	206	246	237	234	1.0
3	82	240	215	199	227	286	151	53	359	349	1	280	314	267	248	246	256	208	298	241	238	228	161	176	251	1.2
4	216	186	93	87	100	158	191	192	202	203	208	202	208	208	209	213	198	213	219	205	202	202	200	193	201	3.2
5	205	203	191	188	156	191	194	80	206	250	212	204	182	201	205	199	201	190	173	173	189	188	180	169	194	3.1
6	141	24	88	101	148	135	138	95	162	170	172	172	187	186	190	191	191	205	183	171	190	195	195	197	174	3.0
7	198	199	199	198	202	200	198	201	202	204	210	208	208	211	210	215	227	232	226	270	***	347	12	311	212	4.1
8	227	227	210	***	322	***	***	10	26	50	4	24	204	183	158	277	247	234	211	210	211	116	264	174	217	0.7
9	150	***	181	147	183	244	59	66	346	280	190	190	188	207	211	218	222	192	206	295	104	148	141	110	190	2.3
10	92	111	95	103	274	287	282	309	291	294	322	307	302	317	314	336	351	355	331	306	286	292	294	297	315	2.0
11	270	275	280	283	282	291	294	296	302	323	329	322	314	314	328	345	321	12	316	296	278	267	265	243	306	2.6
12	243	243	243	243	***	243	243	222	***	345	330	354	346	16	301	253	210	205	248	143	174	336	198	198	271	0.8
13	206	190	195	182	179	171	183	178	190	187	188	198	206	204	211	208	212	210	198	193	194	198	197	193	197	4.4
14	190	201	187	276	358	315	12	7	209	211	210	203	203	219	207	210	206	200	185	185	167	166	66	190	203	2.7
15	181	180	183	182	53	195	184	187	190	186	196	201	214	214	216	218	214	212	196	186	1	9	291	75	200	3.2
16	67	73	78	82	132	169	346	158	164	171	179	184	190	195	170	162	170	169	161	158	159	169	159	152	162	3.0
17	149	48	101	122	73	173	170	159	163	168	181	183	196	196	185	181	160	162	161	169	162	160	162	160	166	5.2
18	157	169	177	189	181	154	187	194	190	189	201	201	197	197	204	195	205	204	221	238	225	195	202	212	196	6.5
19	217	294	31	138	210	246	248	237	228	222	218	210	217	213	218	235	292	281	336	213	340	254	259	239	254	2.8
20	235	224	216	231	***	242	118	336	358	331	288	261	243	226	211	219	203	217	203	190	203	254	179	212	228	1.7
21	141	350	166	347	185	131	115	72	296	191	183	186	203	217	212	216	219	230	238	206	196	142	***	260	205	2.0
22	203	213	252	196	338	172	180	178	174	168	182	185	186	184	180	181	193	219	235	184	188	188	184	177	186	4.2
23	182	183	178	170	173	183	161	162	171	181	184	186	182	193	203	214	206	204	212	204	199	175	122	112	186	4.8
24	149	284	225	276	265	250	249	262	356	346	216	215	217	223	222	216	216	218	236	229	283	338	29	353	236	2.8
25	342	356	312	358	134	197	185	338	332	350	343	9	317	316	308	339	***	***	351	359	156	198	187	64	337	1.2
26	222	235	231	92	***	304	262	350	359	195	331	306	260	261	280	301	273	287	277	211	205	187	60	80	269	1.3
27	103	90	198	227	203	131	349	297	288	330	267	324	357	253	270	285	254	262	262	225	200	201	174	200	251	1.3
28	193	201	321	121	181	157	112	7	309	344	357	334	318	323	314	331	342	124	28	37	90	124	171	167	343	1.1
29	301	109	101	250	200	213	313	271	333	333	341	314	36	326	206	319	327	301	290	263	244	196	200	73	291	0.3
30	197	194	130	143	202	290	62	55	9	226	215	258	275	293	293	254	256	271	254	212	190	207	257	265	250	1.6
VD	158	191	185	174	185	196	187	185	201	205	213	214	216	221	222	225	224	217	224	203	196	193	187	187	203	
VV	1.2	0.8	1.0	1.0	1.2	1.6	1.4	1.1	1.8	2.2	2.6	2.9	3.4	3.5	3.6	3.3	3.2	2.7	1.9	1.7	1.7	1.4	1.2	1.3		1.9

TOTAL NUMBER OF OBSERVATIONS = 708

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
30 METER LEVEL

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE, INC.

	HOUR (LOCAL STANDARD TIME)																								VECTOR	
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DIR	VEL
1	285	315	248	275	266	293	310	306	302	304	334	337	336	354	75	105	129	123	25	341	36	220	207	205	****	****
2	251	342	251	259	180	194	116	135	94	220	210	214	224	260	304	302	249	85	130	166	149	198	240	248	****	****
3	294	269	252	266	280	306	185	77	344	345	354	275	303	265	248	244	256	208	298	241	240	235	304	162	****	****
4	195	189	152	102	131	165	191	193	202	204	208	202	208	208	209	213	200	213	218	206	205	204	202	195	****	****
5	206	204	191	189	191	192	195	128	205	246	212	204	182	200	204	199	201	190	172	172	185	185	175	168	****	****
6	163	157	116	135	155	142	141	107	162	169	171	172	186	186	190	192	192	206	186	171	195	201	201	203	****	****
7	198	199	197	198	204	202	199	201	202	204	212	208	209	211	211	214	227	233	228	271	***	359	12	332	****	****
8	245	236	218	***	325	***	***	16	27	50	3	16	199	180	158	270	253	228	211	216	219	138	247	202	****	****
9	165	***	174	139	170	249	7	69	338	265	190	190	189	208	211	217	221	192	206	287	104	147	141	121	****	****
10	106	112	97	101	190	285	283	302	292	297	321	309	307	320	315	335	350	353	329	307	287	292	294	296	****	****
11	272	276	282	284	283	294	295	297	301	321	326	323	314	312	328	340	320	7	345	332	324	318	317	306	****	****
12	306	306	306	306	***	306	306	256	***	340	330	351	345	13	300	257	211	206	247	155	173	313	249	197	****	****
13	203	190	194	183	181	176	183	178	191	187	188	198	206	206	210	208	212	210	198	195	196	200	197	195	****	****
14	192	197	190	226	192	258	261	328	209	211	210	203	203	219	207	210	206	200	186	184	165	173	146	199	****	****
15	181	180	181	184	46	189	194	194	190	186	195	201	214	214	216	218	213	212	196	185	319	345	260	162	****	****
16	91	91	84	93	151	170	235	160	163	170	178	183	189	195	169	161	170	169	181	163	155	168	157	150	****	****
17	149	53	100	124	73	171	169	153	162	168	181	184	197	196	184	181	158	161	160	168	163	160	160	160	****	****
18	157	169	177	179	181	185	187	190	190	190	201	201	197	198	204	195	205	204	221	236	224	198	204	213	****	****
19	223	288	18	130	215	248	248	234	228	222	218	211	219	214	218	236	291	280	333	210	133	260	265	248	****	****
20	247	236	225	229	***	261	173	41	355	321	284	257	241	226	212	219	203	217	204	192	204	220	174	206	****	****
21	163	18	146	29	180	163	142	85	286	191	184	187	203	217	212	216	219	230	238	210	198	164	***	193	****	****
22	204	204	228	193	276	172	180	178	173	167	180	185	185	184	180	181	193	218	235	186	186	188	183	176	****	****
23	182	186	174	165	163	176	160	161	171	181	184	185	182	193	203	214	207	204	213	205	203	132	122	110	****	****
24	154	273	239	280	268	252	246	223	349	342	216	215	218	223	221	217	217	218	236	228	280	336	26	353	****	****
25	341	354	310	357	110	194	187	334	330	347	340	6	317	309	305	337	***	***	351	2	139	133	223	58	****	****
26	222	252	241	101	***	33	278	346	358	191	324	297	257	259	279	297	276	286	278	216	205	208	142	93	****	****
27	97	89	182	269	201	250	326	285	284	323	234	324	352	242	267	283	255	263	262	225	202	197	191	204	****	****
28	198	202	315	77	173	192	177	0	307	341	355	330	318	319	313	330	341	139	24	33	84	111	153	138	****	****
29	304	131	113	262	225	232	268	263	329	330	340	301	51	325	203	318	324	300	287	268	252	209	206	102	****	****
30	176	227	121	145	183	261	61	63	231	222	215	257	273	289	294	254	255	270	253	216	195	210	252	270	****	****
VC	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	****	
VV	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****

TOTAL NUMBER OF OBSERVATIONS = 6

NOTE: **** = MISSING DATA

WIND DIRECTION AND
VECTOR AVERAGES (DEG & MPS)
60 METER LEVEL

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE, INC.

DAY	HOUR (LOCAL STANDARD TIME) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	VECTOR DIR	VECTOR VEL
1	288	233	226	276	310	324	339	336	333	334	7	9	6	19	87	135	159	153	40	14	145	241	236	232	353	0.5
2	279	335	281	258	210	225	12	***	125	250	240	241	255	289	336	332	303	121	162	199	184	214	226	248	262	1.1
3	***	249	270	***	295	***	190	71	1	15	23	298	323	296	278	274	288	236	328	272	270	264	40	191	286	1.6
4	236	219	279	106	130	200	221	223	232	234	238	230	238	238	238	243	230	243	248	236	235	234	231	225	233	4.4
5	236	231	220	218	229	222	225	297	236	277	242	232	212	229	234	228	228	220	201	202	215	215	204	198	224	4.4
6	208	263	128	169	187	172	168	132	192	199	200	201	216	216	220	222	222	235	216	201	224	229	230	232	208	4.1
7	229	252	236	226	234	232	229	229	232	233	241	236	239	241	241	244	257	263	256	302	331	36	36	3	244	5.3
8	239	254	248	353	***	13	***	17	55	86	12	311	232	212	188	299	296	263	241	243	239	110	241	232	255	0.8
9	169	279	209	171	199	247	50	95	330	289	219	220	219	233	241	247	251	221	236	316	133	180	172	151	229	2.8
10	137	144	128	132	212	291	313	331	322	328	352	339	338	351	345	5	20	23	359	337	317	322	324	326	347	2.2
11	302	306	312	314	313	324	325	327	331	351	357	353	344	342	93	109	350	36	13	338	346	342	327	311	342	2.7
12	309	1	340	337	***	282	255	264	331	9	1	21	16	37	331	276	239	235	278	196	203	329	286	227	305	1.0
13	230	220	224	222	212	208	213	208	219	217	216	227	234	236	239	237	242	239	228	225	226	230	227	225	227	6.6
14	225	230	220	282	256	284	311	330	237	241	240	233	233	249	237	239	235	229	216	214	195	219	316	235	238	4.3
15	213	209	211	225	359	223	258	232	220	216	223	231	244	244	246	248	243	241	226	215	311	328	287	267	234	4.7
16	351	69	105	110	190	200	271	195	193	200	208	212	213	222	199	191	200	199	211	193	185	197	186	180	199	3.7
17	179	68	130	154	100	202	199	183	192	198	211	213	225	224	214	211	188	191	190	198	193	189	139	190	195	6.6
18	187	199	206	208	211	214	217	219	220	219	230	230	225	226	234	224	235	234	251	266	254	226	234	243	225	8.3
19	265	319	48	160	249	278	278	266	257	235	221	215	223	217	222	239	294	284	336	225	36	271	276	261	248	3.2
20	261	251	241	238	***	***	197	351	358	318	287	260	243	229	214	221	206	221	210	197	210	215	176	209	228	2.2
21	181	73	***	188	180	170	155	103	263	195	188	191	206	220	215	220	223	234	241	216	206	179	203	192	204	3.0
22	198	197	218	192	235	176	182	181	176	171	184	189	189	187	184	184	196	222	238	152	190	194	187	180	189	5.4
23	188	190	177	166	167	176	164	165	174	184	187	189	186	196	207	217	210	208	216	208	204	189	130	116	188	6.1
24	165	271	248	288	275	257	250	222	353	342	220	219	221	226	225	221	220	221	239	232	282	341	30	356	241	3.5
25	344	358	314	0	106	193	187	336	337	351	341	10	319	312	308	339	***	***	354	6	122	180	234	49	342	1.6
26	223	***	280	***	17	131	278	357	2	191	326	304	262	261	281	300	279	289	282	221	210	210	178	128	261	1.7
27	108	89	173	297	189	257	303	287	287	325	227	324	354	240	269	284	257	266	266	227	206	201	197	210	252	1.8
28	207	215	315	58	176	210	225	349	310	344	358	334	321	323	316	333	345	146	29	35	82	104	150	135	342	1.3
29	288	139	115	273	246	241	266	267	333	333	343	288	58	328	211	319	325	302	290	277	264	223	219	138	286	1.1
30	158	***	141	142	174	248	74	65	213	224	218	260	276	290	295	257	258	273	255	221	203	214	256	278	243	2.0
VD	221	226	218	206	212	215	221	217	226	228	233	235	236	241	237	241	243	237	244	229	221	215	214	217	230	
VV	2.2	1.6	1.6	1.5	2.0	2.7	2.2	1.6	2.2	2.5	3.0	3.5	3.9	4.1	4.1	3.9	3.9	3.5	2.8	2.6	2.5	2.3	1.8	2.0		2.6

TOTAL NUMBER OF OBSERVATIONS = 705

NOTE: **** = MISSING DATA

SIGMA HORIZ. WIND DIR. @ 10M
DEGREES

CR-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	31	8	14	11	7	11	11	9	13	14	18	14	23	17	26	14	13	13	20	10	11	12	12	22	15	31
2	17	15	10	14	16	20	24	13	18	39	15	19	19	18	15	15	21	21	16	14	18	7	26	13	18	39
3	18	13	18	21	18	14	11	20	16	21	24	25	36	27	20	23	19	10	13	15	12	10	15	14	18	36
4	23	17	28	12	15	14	9	11	16	13	15	13	12	12	12	13	12	12	12	10	9	9	5	9	13	28
5	9	8	9	9	28	11	12	22	13	28	26	20	14	19	18	16	14	10	6	6	8	7	8	5	14	28
6	27	29	15	33	11	15	7	15	15	10	12	13	17	17	13	16	12	11	8	9	8	7	8	7	14	33
7	9	30	28	8	7	8	8	10	11	12	13	12	13	14	13	12	13	11	9	13	8	13	11	13	12	30
8	7	10	16	23	22	15	20	12	22	31	28	33	40	31	22	34	35	22	9	7	7	20	22	15	21	40
9	18	32	23	16	19	19	17	14	13	34	13	10	10	13	14	13	12	11	13	10	11	15	10	25	16	34
10	26	12	13	11	24	10	10	14	16	10	11	10	9	10	10	9	9	9	10	9	9	9	8	10	12	26
11	9	9	9	9	9	9	9	9	11	10	10	9	10	11	9	9	9	8	8	4	6	5	5	5	8	11
12	4	5	5	5	5	5	5	6	17	16	11	13	12	16	14	27	13	13	12	30	10	38	45	9	14	45
13	28	19	7	29	15	16	9	8	10	10	12	14	11	11	11	11	10	10	9	8	8	8	9	8	12	29
14	27	31	14	46	40	30	38	31	12	12	11	12	12	14	14	12	12	10	8	6	6	24	23	45	20	46
15	21	8	16	30	21	30	18	21	9	10	13	16	19	13	15	13	12	10	9	7	17	27	34	36	18	36
16	23	7	9	8	20	7	25	23	12	17	14	14	15	15	18	17	16	11	7	7	6	7	5	6	13	25
17	8	15	13	16	16	18	7	8	10	13	13	14	12	13	14	11	11	11	9	8	10	9	7	7	11	18
18	7	8	10	9	11	10	10	11	12	13	14	14	13	13	14	12	12	11	12	17	9	7	7	9	11	17
19	19	14	14	20	20	9	10	15	17	14	15	17	18	20	20	15	12	12	12	22	26	12	7	7	15	26
20	7	5	7	21	21	13	14	32	17	29	31	33	28	32	25	31	22	15	10	7	7	33	28	7	20	33
21	28	24	27	21	24	49	22	25	38	17	21	16	14	22	18	16	15	16	10	7	6	19	28	24	21	49
22	19	9	30	25	38	11	8	9	10	10	13	12	13	14	15	13	12	13	9	7	8	7	6	9	13	38
23	8	6	6	5	6	10	8	10	11	11	13	15	14	15	15	13	14	12	11	10	10	9	8	11	10	15
24	9	17	14	13	11	9	17	44	29	25	17	16	15	15	13	14	11	11	11	9	13	11	10	11	15	44
25	11	13	10	15	21	20	31	15	29	25	25	28	30	29	25	19	(IM)	(IM)	9	17	10	9	26	15	19	31
26	12	12	19	20	21	15	26	21	24	53	39	41	32	29	26	21	14	10	11	9	9	20	47	11	23	53
27	13	10	20	19	11	17	14	26	18	35	50	29	35	40	33	28	16	12	11	11	11	21	28	11	21	50
28	12	20	16	15	13	22	19	28	18	14	12	19	18	21	19	16	20	43	17	9	8	12	11	18	17	43
29	14	15	11	14	23	22	31	29	23	24	28	42	31	29	23	20	14	8	7	11	8	16	9	22	20	42
30	23	19	14	31	18	27	15	18	41	37	24	24	28	34	19	16	12	14	13	13	7	7	12	12	20	41
AV	16	15	15	18	18	16	15	18	17	20	19	19	19	19	17	17	14	13	11	11	10	14	16	14	16	
PK	31	32	30	46	40	49	38	44	41	53	50	42	40	40	33	34	35	43	20	30	26	38	47	45		53

(06/21/79-RPI)

SIGMA HORIZ. WIND DIR. @ 60M
DEGREES

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	17	9	13	15	9	10	7	10	13	14	16	13	25	22	30	13	11	12	18	9	15	12	9	13	14	30
2	20	15	9	11	12	9	13	8	13	33	13	15	16	16	13	12	26	27	8	15	14	10	19	15	15	33
3	9	14	11	17	10	21	12	19	33	22	31	23	38	21	16	18	13	9	11	11	10	10	17	8	17	38
4	7	7	16	26	19	13	6	9	14	11	13	12	11	11	12	11	12	11	10	8	8	8	7	8	11	26
5	7	7	7	7	10	6	8	12	10	18	18	15	15	15	14	13	12	10	7	7	6	6	6	6	10	18
6	7	15	20	12	8	7	8	14	15	10	12	13	14	14	13	14	10	11	9	7	9	8	9	7	11	20
7	6	13	9	7	6	6	6	9	10	9	11	11	11	12	13	11	13	10	8	11	10	12	15	9	10	15
8	12	13	11	10	17	12	15	23	27	33	36	36	39	25	18	34	33	22	9	9	15	16	17	21	21	39
9	11	9	12	9	8	14	14	10	26	36	11	10	9	11	13	12	11	11	14	11	13	9	8	14	13	36
10	21	13	10	9	18	24	9	13	12	9	9	10	10	9	9	9	9	9	10	11	8	9	8	9	11	24
11	9	9	8	8	7	9	9	11	12	10	10	9	9	10	8	8	9	10	10	10	11	9	7	7	9	12
12	21	14	10	7	6	22	17	16	13	14	9	14	12	25	13	24	11	12	10	25	10	19	12	7	14	25
13	10	7	6	8	7	7	8	9	9	10	12	14	10	10	11	10	9	9	8	7	6	6	6	6	8	14
14	9	11	8	9	11	18	22	33	12	10	9	11	12	13	13	11	9	8	7	5	6	10	19	11	12	33
15	7	7	7	9	36	9	16	15	9	10	12	14	15	11	14	11	11	10	7	6	17	25	26	35	14	36
16	22	19	16	18	10	6	16	11	10	15	13	12	14	15	16	14	14	10	7	8	6	6	6	6	12	22
17	6	20	13	11	22	16	7	7	10	11	14	13	11	12	13	12	11	10	9	8	10	8	6	6	11	22
18	7	9	10	10	11	10	10	10	11	12	12	12	11	11	14	12	11	11	11	14	8	6	6	7	11	14
19	15	16	14	12	15	9	10	15	15	22	15	16	15	15	18	13	10	11	15	24	22	12	6	7	14	24
20	7	8	11	11	12	16	11	26	17	37	29	21	23	21	20	20	19	14	8	6	7	26	11	11	16	37
21	9	29	18	23	10	7	9	16	36	16	20	14	13	22	15	14	13	15	9	8	7	9	8	6	14	36
22	8	19	9	12	19	6	7	9	9	10	13	12	12	13	13	12	12	12	8	6	6	6	6	6	10	19
23	6	5	5	6	6	7	7	10	9	11	14	14	13	13	14	12	12	11	10	9	8	8	9	12	10	14
24	11	11	10	9	10	11	16	31	44	26	13	14	14	13	11	14	10	9	9	8	11	11	10	10	14	44
25	10	12	10	15	14	14	32	13	30	22	29	21	28	21	20	17	(IM)	(IM)	8	6	17	17	12	22	18	32
26	24	17	9	24	16	16	11	37	30	36	33	43	24	24	20	18	12	10	10	7	6	10	20	35	20	43
27	55	13	9	26	21	8	10	22	17	23	46	24	32	38	27	24	14	12	11	10	8	7	15	9	20	55
28	7	9	10	12	11	10	15	43	15	13	10	16	17	17	15	15	20	40	17	7	9	9	15	10	15	43
29	15	12	9	14	11	13	14	24	26	27	27	46	39	28	19	18	12	8	7	8	8	9	10	25	18	46
30	20	25	10	8	9	16	21	41	42	22	20	22	22	21	17	14	11	14	11	8	7	8	17	8	17	42
AV	13	13	11	12	13	12	12	17	18	18	18	17	18	17	15	15	13	13	10	10	10	11	11	12	14	
MPK	55	29	20	26	36	24	32	43	44	37	46	46	39	38	30	34	33	40	18	25	22	26	26	35		55

(06/21/79-RPI)

TEMPERATURE
DEGREE C

CB-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	2	2	2	2	1	1	0	-1	-2	-3	-3	-5	( )	2
3	-5	-6	-6	-7	-7	-8	-7	-5	-2	1	2	3	3	3	3	3	2	2	1	0	-1	-3	-4	-5	-2	3
4	-5	-5	-4	-4	-4	-4	-3	-2	2	3	3	4	5	5	5	6	6	6	7	6	6	5	4	4	2	7
5	4	3	3	2	3	3	3	4	8	9	10	10	11	11	12	12	12	12	9	7	4	4	3	3	7	12
6	2	2	1	1	1	1	2	6	11	12	13	13	14	14	15	15	16	15	12	8	7	6	3	3	8	16
7	6	3	2	2	1	1	3	8	12	13	13	14	14	14	14	14	15	14	13	11	10	8	6	3	9	15
8	1	1	0	-1	-1	-1	-1	2	6	9	11	9	13	14	14	14	15	15	12	9	6	4	3	2	7	15
9	1	1	1	1	1	0	0	3	7	12	14	13	13	14	14	14	13	13	11	9	8	8	7	7	8	14
10	7	6	5	4	4	4	4	5	5	5	4	3	2	2	2	2	2	2	1	1	1	1	1	1	3	7
11	1	1	1	1	0	0	0	0	1	1	2	2	2	2	2	3	3	2	1	1	0	0	0	-2	1	3
12	-4	-6	-7	-8	-8	-9	-9	-7	-2	1	3	3	2	4	3	3	3	3	3	2	1	1	-1	-2	-1	4
13	-3	-6	-5	-5	-4	-3	-2	2	4	5	6	7	9	9	10	11	11	11	9	6	5	4	4	3	4	11
14	6	3	3	3	3	2	3	6	11	12	13	13	14	14	14	16	16	15	13	14	7	6	5	4	9	16
15	4	4	4	4	4	4	6	9	14	16	17	17	17	17	18	18	18	17	14	11	9	7	6	5	11	18
16	5	5	5	5	5	4	6	11	15	17	18	18	18	19	19	19	19	19	17	13	11	8	8	8	12	19
17	8	7	9	12	13	13	12	13	15	16	17	18	18	19	19	19	18	17	17	15	12	10	9	10	14	19
18	9	9	12	13	12	12	13	13	14	14	15	16	17	17	17	17	17	17	15	12	9	7	6	5	13	17
19	4	3	3	5	4	3	3	6	8	9	9	11	11	11	11	10	9	8	8	6	4	2	1	0	6	11
20	-1	-1	-2	-2	-2	-2	-2	2	5	7	9	11	12	12	13	13	13	13	12	8	6	5	4	4	6	13
21	3	3	3	2	3	2	4	8	12	14	16	16	16	17	17	17	17	17	16	12	9	8	8	8	10	17
22	6	6	5	5	4	4	7	13	16	16	16	17	18	18	18	18	18	18	17	13	13	11	8	9	12	18
23	8	8	7	6	6	6	7	13	15	16	16	17	18	19	18	19	18	17	14	14	12	11	10	13	13	19
24	9	9	8	7	7	7	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	9
25	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	8	9	9	11	12	12	13	13	12	12	9	6	4	3	2	( )	13
26	1	1	0	-1	-1	-2	0	3	8	9	11	12	13	14	14	15	15	14	13	9	6	5	3	3	7	15
27	2	2	2	1	0	-1	1	5	8	11	13	14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	14
28	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
29	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	3	2	2	2	2	2	2	5	8	10	10	11	11	12	12	12	12	12	10	8	6	5	4	3	7	
PK	9	9	12	13	13	13	13	13	16	17	18	18	18	19	19	19	19	19	17	15	14	12	11	10		19

(06/21/79-RPI)

TEMPERATURE @ 10M
DEGREE C

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-6	-6	-6	-7	-7	-7	-7	-6	-5	-5	-4	-4	-3	-4	-5	-4	-3	-3	-4	-5	-6	-6	-7	-7	-5	-3
2	-7	-7	-7	-7	-8	-10	-10	-9	-7	-5	-4	-3	-2	-2	-3	-3	-4	-4	-4	-5	-6	-6	-7	-7	-6	-2
3	-8	-8	-9	-9	-9	-9	-10	-8	-6	-4	-3	-2	-2	-1	-1	-1	-2	-2	-3	-4	-4	-5	-6	-6	-5	-1
4	-7	-6	-7	-7	-6	-6	-5	-4	-2	-2	-1	0	1	1	2	2	2	2	2	2	2	2	2	2	-1	2
5	2	2	1	1	1	1	1	1	4	5	6	7	7	8	8	9	9	8	7	6	5	5	5	5	5	9
6	3	3	2	2	3	2	2	5	8	9	9	10	11	12	12	13	13	13	11	10	9	8	9	7	8	13
7	6	5	5	6	5	5	5	7	9	9	10	11	11	11	12	12	12	12	10	8	7	5	4	3	8	12
8	2	1	1	0	0	-1	-1	1	3	6	7	9	10	11	11	12	12	12	11	8	7	7	6	4	6	12
9	4	4	4	4	4	2	1	4	6	10	10	10	10	11	11	12	10	9	8	5	4	3	3	3	6	12
10	3	3	2	2	1	0	0	0	1	1	0	-1	-2	-2	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-1	3
11	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-3	-3	-4	-4	-4	-4	-4	-3	-2
12	-5	-5	-6	-6	-6	-6	-7	-5	-3	-2	-2	-1	-2	-1	-1	-2	-2	-1	-1	-2	-2	-3	-3	-4	-3	-1
13	-4	-5	-5	-5	-4	-4	-3	-2	0	1	2	4	6	6	7	7	7	7	6	5	4	4	4	4	2	7
14	4	4	4	3	3	4	4	6	9	9	10	10	11	12	13	13	13	12	11	9	8	7	7	6	8	13
15	8	8	7	7	6	7	8	10	12	13	14	14	15	15	16	16	16	15	13	11	9	9	9	9	11	16
16	7	6	7	6	8	9	8	11	13	15	16	16	17	17	17	17	18	17	16	13	12	10	11	11	12	18
17	10	9	10	11	11	11	10	10	13	14	15	16	17	17	18	17	16	16	14	13	12	12	11	11	13	19
18	11	11	11	10	10	9	9	10	11	12	13	14	14	15	15	15	15	14	13	12	11	9	7	7	12	15
19	5	4	2	2	3	3	3	4	5	6	6	7	7	8	8	8	6	4	4	4	3	1	0	-1	4	8
20	-2	-2	-2	-3	-3	-3	-3	-1	1	4	6	7	8	9	10	10	10	10	8	7	5	5	5	4	4	10
21	4	5	5	3	5	4	5	7	10	12	13	13	13	14	14	15	15	15	14	11	10	9	8	9	10	15
22	8	7	8	7	6	8	9	12	12	13	13	14	15	16	16	16	16	16	14	13	12	11	11	11	12	16
23	11	10	10	10	9	8	9	12	13	13	14	15	16	17	17	17	17	16	15	13	13	12	11	11	13	17
24	12	11	9	7	4	4	4	5	7	9	12	13	14	14	14	14	13	13	12	11	10	8	6	5	10	14
25	3	2	1	1	1	0	1	2	3	4	5	6	8	8	9	9	(IM)	(IM)	8	7	6	5	3	2	4	9
26	3	3	3	1	1	1	0	3	5	6	8	10	11	12	12	13	12	12	10	8	6	6	6	5	7	13
27	5	4	4	2	2	1	1	4	6	8	10	12	12	14	14	14	14	13	11	10	8	7	6	6	8	14
28	6	6	5	4	4	3	4	7	8	9	7	8	9	10	11	10	10	10	10	9	7	6	5	6	7	11
29	3	3	3	1	1	1	1	3	6	9	11	12	12	13	13	12	12	11	11	10	8	8	6	6	7	13
30	6	5	5	5	5	4	4	7	10	11	12	13	13	14	15	14	12	13	12	11	11	10	9	8	10	15
AV	3	2	2	2	2	1	1	3	5	6	7	8	8	9	9	9	9	9	8	6	6	5	4	4	5	
PK	12	11	11	11	11	11	10	12	13	15	16	16	17	17	18	17	18	17	16	13	13	12	11	11		18

(06/21/79-RPI)

TEMPERATURE @ 30M
DEGREE C

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-6	-6	-6	-7	-7	-7	-8	-7	-6	-6	-5	-5	-4	-4	-5	-5	-4	-4	-5	-5	-6	-6	-7	-7	-5	-4
2	-7	-7	-7	-8	-8	-9	-10	-9	-7	-5	-4	-4	-3	-3	-4	-4	-4	-5	-5	-5	-6	-6	-6	-7	-6	-3
3	-8	-8	-9	-9	-9	-9	-9	-8	-6	-5	-4	-3	-2	-2	-1	-2	-3	-3	-4	-5	-4	-5	-6	-6	-5	-1
4	-6	-6	-7	-7	-6	-6	-5	-5	-3	-3	-2	-1	0	0	1	1	1	2	2	2	2	2	2	2	-2	2
5	2	2	2	2	2	2	1	2	4	5	5	6	6	7	8	8	8	8	7	6	6	7	6	5	5	8
6	4	3	4	3	4	3	3	5	7	8	9	9	10	11	12	12	13	12	11	10	10	10	10	9	8	13
7	8	6	6	7	6	6	6	7	8	9	9	10	10	10	11	11	11	11	10	8	7	5	4	3	8	11
8	2	2	1	1	0	-1	0	0	3	5	7	8	9	10	10	11	11	11	10	9	8	7	6	5	6	11
9	5	5	5	4	4	3	3	4	5	9	10	9	9	10	10	11	9	9	8	5	4	3	3	3	6	11
10	3	2	2	2	1	0	0	0	0	0	-1	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-4	-4	-4	-1	3
11	-4	-4	-5	-5	-5	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-2
12	-5	-5	-6	-6	-6	-6	-6	-5	-4	-3	-3	-2	-3	-1	-2	-2	-3	-1	-2	-2	-2	-3	-3	-3	-4	-1
13	-4	-4	-4	-4	-4	-4	-3	-2	-1	0	1	3	5	6	6	6	6	6	6	5	5	5	5	5	2	6
14	4	5	5	4	4	4	4	6	8	9	9	10	10	11	12	12	12	12	11	11	10	8	8	7	8	12
15	9	9	8	8	7	8	8	10	12	12	13	13	14	14	15	15	15	15	13	12	10	10	11	10	11	15
16	9	9	8	8	9	10	9	11	13	14	15	15	16	16	17	17	17	17	16	13	12	12	12	11	13	17
17	10	9	11	11	11	11	10	10	12	13	14	15	16	16	17	16	15	15	14	13	12	11	11	11	13	17
18	11	11	11	10	10	9	9	10	10	11	12	13	13	14	14	14	14	13	13	12	11	10	9	7	11	14
19	5	4	2	2	3	3	2	3	4	5	5	6	6	7	7	7	5	4	3	3	3	1	-1	-1	4	7
20	-1	-2	-2	-3	-3	-3	-3	-2	0	3	5	6	7	8	9	9	9	9	8	7	6	5	6	6	4	9
21	5	5	6	4	5	4	5	7	10	11	12	13	13	14	14	14	14	14	13	12	12	10	10	10	10	14
22	10	9	8	8	7	9	9	11	11	12	12	13	14	15	16	15	15	15	14	13	13	12	12	12	12	16
23	12	11	11	11	11	9	9	11	12	12	13	14	15	16	16	17	16	15	15	13	13	12	11	11	13	17
24	12	12	10	7	4	3	3	4	6	8	11	12	13	13	13	13	13	12	12	11	10	7	6	4	9	13
25	3	1	1	1	1	1	1	1	2	3	4	5	7	7	8	8	(IM)	(IM)	8	7	6	6	4	3	4	8
26	3	3	2	2	1	1	0	2	4	6	7	9	10	11	11	12	11	11	10	8	7	6	6	6	6	12
27	6	4	5	2	3	2	1	3	5	7	9	11	11	13	13	14	14	13	11	9	8	7	7	7	8	14
28	6	6	6	4	4	4	4	6	8	8	6	7	8	9	10	9	10	9	10	9	7	6	6	6	7	10
29	4	3	3	2	1	1	1	3	5	8	10	11	12	12	12	11	11	10	11	10	9	8	8	7	7	12
30	6	5	6	6	6	5	5	7	10	11	12	12	13	13	14	13	12	12	11	11	11	10	9	8	9	14
AV	3	3	3	2	2	2	2	3	4	5	6	7	8	8	9	9	8	8	7	7	6	5	5	4	5	
PK	12	12	11	11	11	11	10	11	13	14	15	15	16	16	17	17	17	17	16	13	13	12	12	12		17

(06/21/79-RPI)

TEMPERATURE @ 60M
DEGREE C

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-6	-5	-5	-6	-6	-6	-7	-6	-6	-4	-4	-4	-3	-4	-4	-4	-3	-3	-4	-5	-5	-6	-6	-6	-5	-3
2	-7	-7	-7	-7	-8	-8	-9	-8	-7	-4	-3	-3	-2	-2	-3	-3	-4	-4	-4	-5	-5	-5	-6	-6	-5	-2
3	-7	-7	-8	-8	-8	-8	-8	-8	-6	-4	-3	-2	-2	-1	0	-1	-2	-3	-3	-4	-4	-4	-5	-5	-5	0
4	-5	5	-6	-6	-6	-5	-4	-4	-2	-2	-1	0	1	1	2	2	2	2	2	2	2	3	3	3	-1	3
5	3	3	3	3	3	3	2	3	4	5	6	6	6	8	8	8	8	8	8	8	8	8	8	7	6	8
6	5	4	4	4	5	4	4	6	7	8	9	10	11	11	12	13	13	12	11	11	10	10	10	10	9	13
7	9	7	7	8	7	7	7	8	9	10	10	11	11	12	12	12	12	12	10	9	7	6	5	4	9	12
8	3	2	2	1	1	1	1	1	3	5	7	8	9	10	11	11	12	12	11	10	9	8	8	7	6	12
9	7	7	7	6	6	5	4	5	6	9	10	10	9	11	11	12	10	9	8	5	4	3	3	3	7	12
10	3	3	3	3	2	1	0	0	1	1	0	-1	-2	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3	-3	-1	3
11	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-3	-3	-2	-2	-2	-1	-2	-3	-3	-3	-3	-4	-4	-3	-3	-1
12	-4	-5	-5	-5	-5	-5	-5	-4	-3	-2	-2	-1	-2	0	-1	-1	-2	0	-1	-2	-2	-2	-2	-1	-3	0
13	-3	-2	-2	-3	-2	-2	-2	-1	0	1	2	4	8	8	8	8	8	7	6	6	6	6	6	6	3	8
14	6	6	6	5	5	5	5	7	9	10	10	10	11	12	12	12	12	12	12	12	11	9	9	8	9	12
15	11	10	9	9	8	9	9	11	12	13	13	13	15	15	16	16	15	15	14	14	12	11	11	11	12	16
16	10	10	9	9	11	12	10	12	13	14	15	15	16	16	17	17	17	17	16	14	13	13	13	13	13	17
17	11	10	12	12	11	11	11	10	12	13	14	15	17	17	17	16	15	15	14	13	12	12	11	12	13	17
18	12	11	11	11	10	9	9	10	11	12	13	14	14	15	15	15	15	14	13	12	11	11	10	9	12	15
19	7	4	3	3	4	3	3	4	5	6	6	6	7	7	8	8	6	5	4	4	3	2	0	-1	4	8
20	-1	1	-1	-2	-2	-2	-2	-1	0	3	5	7	8	9	9	9	10	9	9	8	8	6	6	7	4	10
21	6	6	7	6	6	6	6	8	10	12	13	13	13	14	14	14	15	15	14	13	12	11	11	12	11	15
22	11	10	9	9	8	10	10	11	11	12	13	13	14	15	16	15	15	15	14	14	14	13	13	13	13	16
23	13	13	12	12	12	11	10	11	12	12	13	14	15	17	17	18	17	16	15	14	13	13	12	12	14	18
24	13	12	11	8	4	4	4	5	7	8	12	13	14	14	14	14	13	12	12	11	10	8	6	4	10	14
25	3	2	1	1	1	1	1	2	3	4	5	6	7	8	9	8	(IM)	(IM)	8	7	7	6	5	4	4	9
26	4	4	3	3	2	2	2	2	5	6	8	9	10	11	12	12	12	11	10	9	8	7	7	7	7	12
27	7	6	6	4	4	3	2	3	6	8	10	11	12	13	13	14	15	13	11	9	9	8	7	8	8	15
28	8	8	6	4	5	5	5	7	8	8	7	8	8	9	10	10	10	10	10	10	8	7	6	6	3	10
29	5	5	5	3	2	2	2	3	6	8	10	12	12	12	12	11	11	11	11	10	10	9	9	7	8	12
30	7	7	7	7	7	6	6	7	10	11	12	13	13	14	14	14	12	12	12	11	11	11	9	8	10	14
AV	4	4	4	3	3	3	2	3	5	6	7	8	8	9	9	9	9	9	8	7	7	6	5	5	6	
PK	13	13	12	12	12	12	11	12	13	14	15	15	17	17	17	18	17	17	16	14	14	13	13	13		18

(06/21/79-RPI)

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD42 PERIOD(4/01/79 TO 4/30/79)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-10	-11	-11	-11	-11	-11	-11	-9	-6	-7	-3	-8	-2	-3	-7	-6	-6	-5	-7	-8	-9	-9	-10	-10	-7
2	-10	-11	-10	-11	-11	-13	-15	-13	-9	-4	-3	-5	-2	-6	-6	-5	-5	-6	-7	-9	-10	-11	-12	-13	-8
3	-14	-15	-15	-16	-16	-17	-17	-13	-8	-5	-5	-3	-3	-2	-3	-3	-4	-5	-7	-7	-8	-10	-11	-12	-8
4	-13	-13	-14	-13	-13	-13	-12	-9	-4	-3	-2	-2	0	0	0	0	0	0	0	0	0	-1	0	0	-4
5	-1	0	-2	-3	-4	-3	-3	-2	2	4	4	6	6	7	7	7	7	7	5	2	-1	-1	-2	-4	2
6	-4	-5	-4	-5	-4	-5	-3	-1	4	7	8	8	9	11	11	12	12	11	9	7	2	0	-1	-3	3
7	-4	-3	-2	-5	-4	1	-1	2	6	7	8	8	9	9	10	9	10	9	8	6	4	2	0	-1	4
8	-4	-6	-7	-8	-8	-9	-8	-5	0	4	6	9	9	9	11	11	11	11	9	4	0	-2	-3	-4	1
9	-5	-5	-6	-6	-6	-7	-6	-2	1	8	9	8	7	9	9	9	7	7	6	2	1	0	0	0	2
10	0	-1	-2	-2	-2	-3	-3	-3	-2	-2	-3	-4	-6	-6	-6	-6	-6	-6	-6	-6	-7	-6	-7	-7	-3
11	-7	-7	-7	-8	-7	-7	-8	-7	-7	-6	-5	-4	-5	-5	-5	-4	-4	-4	-6	-6	-6	-7	-7	-7	-5
12	-8	-8	-9	-10	-10	-11	-11	-11	-7	-1	-5	-2	-5	0	-3	0	-3	-1	-3	-5	-6	-7	-8	-8	-5
13	-10	-11	-11	-11	-11	-11	-11	-10	-2	-1	-1	1	4	3	3	4	3	4	3	0	0	-1	-3	-4	-2
14	-5	-5	-5	-5	-6	-6	-5	0	3	7	7	7	8	9	11	11	9	9	8	5	0	-2	-2	-2	2
15	-2	-3	-2	-2	-1	-2	-1	2	7	11	11	11	12	12	13	13	13	12	11	7	2	0	-1	-2	5
16	-2	-2	-1	-1	-1	-1	0	3	8	12	14	14	14	14	15	16	15	15	14	10	6	3	0	-2	7
17	0	3	5	7	7	7	6	6	9	11	12	13	14	14	15	14	13	13	12	9	8	6	6	6	9
18	6	6	6	6	6	5	5	6	8	9	10	9	11	11	12	12	12	12	10	7	6	6	4	1	9
19	0	-1	-3	-2	-3	-4	-4	-1	1	2	2	4	4	4	4	5	1	0	0	0	-2	-5	-6	-6	0
20	-7	-9	-10	-10	-11	-11	-10	-7	-3	0	1	4	5	6	7	8	8	8	6	4	1	-1	-2	-2	0
21	-3	-3	-5	-5	-5	-5	-3	0	5	10	11	12	12	13	13	13	13	13	12	9	7	1	1	2	5
22	0	-1	-1	-2	-2	-1	-2	6	8	10	11	11	12	13	14	13	13	13	12	9	8	7	3	1	6
23	1	1	1	-1	-1	-2	-1	3	10	10	11	12	13	14	14	14	15	13	12	11	9	9	7	5	8
24	4	2	2	2	0	0	0	0	5	4	8	10	10	11	11	12	11	10	9	7	6	4	3	1	6
25	0	-1	-2	-3	-3	-3	-3	-2	0	0	2	2	5	6	6	6	6	6	5	4	1	0	-3	-4	1
26	-5	-7	-8	-8	-9	-10	-8	-3	2	3	7	6	8	9	10	11	10	9	8	6	2	0	-2	-3	1
27	-3	-5	-3	-6	-6	-7	-7	-1	2	4	7	10	9	10	12	11	11	11	8	7	5	2	1	0	3
28	-1	-1	-2	-2	-1	-3	-3	0	3	4	1	4	5	6	7	4	6	7	8	5	2	1	0	-3	2
29	-5	-6	-7	-7	-8	-8	-7	-3	1	4	7	10	11	9	13	7	8	7	7	5	3	0	-1	-3	2
30	-3	-5	-5	-4	-3	-5	-4	0	5	8	9	12	9	11	11	12	9	9	9	7	6	5	4	3	4
MEAN	-3	-3	-4	-4	-4	-5	-4	-1	1	4	5	5	6	7	7	7	7	6	5	3	1	0	-1	-2	5

TOTAL NUMBER OF OBSERVATIONS = 720

DIURNAL VALUES OF TEMPERATURE AT 10 METERS(DEG C)
MRI STATION = AD5o PERIOD(4/01/79 TO 4/30/79)

	HOUR																							
DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-7	-7	-8	-8	-6	-8	-8	-8	-6	-5	-2	-5	-1	-3	-5	-3	-3	-3	-5	-6	-7	-7	-8	-6	-5
2	-8	-8	-8	-6	-10	-13	-15	-12	-6	-5	-2	-1	0	-2	-3	-3	-2	-3	-5	-6	-7	-6	-9	-11	-6
3	-11	-11	-12	-13	-13	-13	-13	-11	-7	-5	-3	0	0	0	0	0	-2	-2	-5	-5	-6	-8	-10	-11	-6
4	-12	-12	-11	-11	-11	-11	-10	-8	-5	-1	0	0	2	2	1	1	1	1	1	1	0	0	0	0	-2
5	-1	-2	-2	-3	-3	-3	-3	-2	4	6	6	7	8	8	8	8	9	8	5	1	0	-1	-2	-3	2
6	-3	-3	-5	-5	-5	-5	-5	0	4	9	11	12	12	13	13	14	14	12	8	3	0	-1	-2	-2	4
7	-3	-3	-4	-4	-6	-6	-3	0	7	9	11	11	11	12	12	12	13	12	9	8	7	2	1	-2	4
8	-3	-5	-5	-6	-7	-7	-7	-2	1	7	7	9	11	12	12	13	13	12	8	4	1	-1	-2	-3	3
9	-5	-5	-5	-5	-5	-6	-5	-1	2	9	12	11	10	12	12	12	11	9	7	4	3	2	1	1	3
10	1	0	-1	-1	-1	-1	-1	0	0	0	0	-2	-2	-2	-2	-3	-3	-3	-3	-3	3	-3	-4	-4	0
11	-5	-5	-5	-5	-5	-5	-5	-4	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	-2	-3	-4	-4	-4	-5	-3
12	-6	-7	-8	-9	-9	-10	-10	-9	-6	-1	-1	-1	-3	1	-1	-1	-1	-1	-2	-3	-3	OE	OE	OE	-5
13	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	OE	7	7	7	7	5	1	0	-1	-1	-2	
14	-2	-3	-3	-4	-5	-5	-3	0	4	8	10	11	12	13	13	13	15	12	9	4	1	0	0	-1	4
15	-1	-1	-1	-1	-1	-1	0	3	9	13	14	15	17	18	18	18	18	17	13	7	4	2	1	0	8
16	0	-1	-1	0	0	-1	1	5	11	17	18	18	18	19	19	20	20	19	18	11	8	4	3	2	10
17	2	1	2	6	9	9	8	8	13	16	17	18	18	18	19	18	18	17	16	12	8	6	6	7	11
18	2	3	7	3	6	8	8	11	12	13	14	15	16	17	17	17	17	16	14	9	6	6	4	1	10
19	0	-1	-1	0	0	-1	-1	1	5	7	7	8	9	9	9	8	6	4	4	2	0	-2	-3	-4	3
20	-4	-6	-6	-7	-7	-7	-6	-3	2	2	6	9	10	11	11	11	11	11	9	5	2	0	0	0	2
21	-1	-1	-2	-3	-2	-3	-1	2	9	13	14	17	17	17	17	17	18	17	14	9	6	4	3	3	7
22	1	1	0	-1	-1	-1	1	8	13	14	15	16	17	18	18	18	17	17	14	11	8	6	5	3	9
23	3	2	1	0	0	-1	1	7	14	14	14	17	18	18	19	18	18	17	14	10	9	8	8	6	10
24	5	4	3	2	1	1	2	4	6	10	12	14	15	17	15	16	14	13	12	9	8	8	6	3	8
25	3	1	1	0	0	-1	0	1	3	4	8	7	8	8	11	11	10	9	9	6	4	0	-1	-2	4
26	-3	-3	-5	-6	-6	-7	-4	1	4	8	8	11	11	12	13	14	13	13	10	5	2	0	-1	-1	4
27	-2	-3	-4	-4	-5	-6	-3	0	4	7	12	12	13	13	16	16	16	14	12	10	7	4	2	1	6
28	0	-1	-1	-1	-1	-1	0	3	8	8	7	8	9	11	11	10	11	12	10	6	4	1	-1	-2	5
29	-3	-4	-5	-5	-6	-6	-3	1	4	8	13	12	13	14	13	11	11	9	8	4	2	1	0	-1	4
30	-2	-2	-2	0	-2	-3	0	4	9	11	13	14	16	16	16	15	14	13	12	8	7	7	6	4	7
MEAN	-1	-2	-2	-2	-3	-3	-2	0	4	7	8	9	10	10	10	10	10	9	7	4	2	1	0	0	7

TOTAL NUMBER OF OBSERVATIONS = 703

DELTA TEMPERATURE 60-10M
DEGREE C*100

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	-2	8	-2	60	42	10	-3	-33	-42	-29	-18	-42	-27	-39	-30	-24	-23	-40	-40	-19	2	26	47	33	-8	60
2	-8	-19	-33	-21	15	123	82	62	5	-14	-15	-15	-23	-36	-42	-44	-42	-38	-44	16	44	101	72	42	7	123
3	70	150	75	87	78	70	111	9	-24	-29	-21	-30	-27	-40	-18	-29	-21	-49	-48	-30	2	35	45	64	18	150
4	205	126	49	54	31	53	65	-23	-38	-42	-26	-21	-4	-26	-26	-50	-47	-40	-34	-16	11	36	20	15	11	205
5	38	80	142	142	105	95	102	89	-30	-45	-48	-51	-56	-66	-57	-62	-59	-44	48	164	205	216	231	144	53	231
6	177	76	204	125	201	167	172	62	-34	-53	-65	-68	-64	-64	-64	-64	-58	-42	-3	75	86	177	117	238	54	238
7	284	195	190	210	251	197	158	13	-2	11	7	-4	-11	22	5	-2	-23	-25	4	60	0	-8	12	63	67	294
8	58	74	78	103	100	119	92	24	-39	-42	-58	-59	-56	-77	-65	-69	-56	-53	-1	179	176	114	172	188	37	188
9	258	256	242	207	151	290	256	111	9	-47	-63	-53	-54	-33	-48	-11	-47	-47	-19	-29	-7	-27	-19	-25	52	290
10	-35	-7	40	56	53	30	-31	-30	-35	-40	-50	-57	-45	-50	-56	-69	-68	35	100	-1	-26	-33	-31	-28	-16	100
11	-30	-31	-31	-30	-27	-28	-31	-36	-33	-63	-79	-55	-34	-28	-19	-10	-31	-36	-40	12	32	17	24	75	-21	75
12	87	51	66	54	43	93	105	79	8	-9	-26	-20	-17	-10	-11	-3	-36	-23	-12	-23	31	33	44	203	29	203
13	110	184	198	168	159	128	31	-18	4	7	-13	34	231	184	135	73	80	24	24	85	103	112	116	171	97	231
14	162	76	109	139	141	93	139	95	-7	6	-7	-20	-31	-25	-41	-45	-51	-45	20	213	215	157	122	200	67	215
15	247	133	162	154	163	119	117	19	-37	-61	-69	-73	-57	-30	-45	-8	-52	-48	32	238	246	188	197	193	72	247
16	285	306	158	236	220	232	181	17	-35	-65	-81	-80	-77	-78	-88	-73	-66	-47	34	155	169	269	204	171	81	306
17	114	125	102	21	33	7	26	-5	-71	-94	-86	-86	-47	-40	-60	-70	-60	-36	-11	11	45	18	56	101	0	125
18	86	42	3	-5	-12	-6	-11	-30	-39	-50	-17	-21	-31	-21	-17	-38	1	5	-7	7	36	117	230	166	16	230
19	137	47	17	19	83	53	-8	-52	-49	-35	-28	-53	-34	-50	-52	-18	37	-17	-32	-5	8	85	20	27	4	137
20	47	48	63	51	36	83	72	-37	-56	-57	-70	-71	-77	-79	-74	-69	-65	-57	-11	111	212	111	38	265	19	265
21	142	84	181	256	76	143	92	18	-38	-65	-62	-76	-59	-67	-59	-65	-57	-57	-25	116	206	191	277	301	61	301
22	344	196	88	124	116	179	42	-50	-67	-87	-77	-73	-79	-89	-96	-65	-54	-48	-21	80	170	192	168	182	45	344
23	198	210	232	223	232	267	76	-59	-83	-70	-70	-94	-107	-63	-47	-6	-28	-36	-10	18	13	43	98	89	43	267
24	74	82	164	73	-34	-30	-36	-44	-55	-63	-30	-4	-4	-3	-1	1	-13	-38	-27	3	6	-27	-37	-47	-4	164
25	-49	-47	-45	-43	-31	40	12	-61	-55	-65	-79	-71	-82	-81	-79	-63	(IM)	(IM)	-34	34	46	116	165	148	-15	165
26	30	92	65	136	117	87	120	-27	-52	-53	-70	-61	-57	-56	-54	-68	-30	-43	-10	102	184	117	68	123	27	134
27	136	150	228	196	167	181	33	-44	-55	-64	-46	-84	-77	-72	-76	-71	-2	-19	-11	-35	13	99	92	97	31	228
28	127	157	109	15	83	123	65	-40	-73	-89	-76	-81	-85	-94	-82	-64	-70	-54	-42	7	44	88	59	31	2	157
29	161	149	120	166	112	61	38	-32	-53	-63	-72	-74	-67	-65	-64	-60	-65	-31	-16	41	85	115	227	78	29	227
30	138	168	138	160	136	178	130	-26	-43	-60	-77	-68	-70	-43	-61	-33	-45	-40	-35	53	52	37	45	11	27	178
AV	120	105	104	104	95	105	73	-2	-37	-48	-50	-51	-41	-41	-43	-39	-36	-34	-9	54	80	90	98	111	30	
PK	344	306	242	256	251	290	256	111	9	11	7	34	231	184	135	73	80	35	100	238	246	269	277	301		344

(06/21/79-RPI)

RELATIVE HUMIDITY @ 3M
PERCENT

CB-TRACT
TRAILER AA23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	83	89	89	87	85	86	87	90	90	78	61	51	64	61	73	85	79	69	64	70	72	81	88	83	78	90
2	88	90	90	90	89	85	85	85	87	70	47	45	43	41	51	59	47	59	67	75	78	83	85	87	72	90
3	87	88	88	89	90	90	90	90	84	62	52	42	40	39	36	42	45	80	70	81	89	85	85	86	72	90
4	88	88	83	78	79	78	75	68	60	52	51	51	51	49	48	51	52	56	56	57	61	62	62	61	63	88
5	61	61	62	65	68	68	67	66	66	51	45	41	42	41	39	37	36	36	36	41	50	52	55	59	52	68
6	60	60	63	67	71	72	70	70	64	45	36	33	29	29	28	26	24	25	30	37	45	47	40	39	46	72
7	43	44	45	45	44	45	43	42	37	35	34	32	31	30	30	29	29	28	28	32	40	43	50	55	38	55
8	67	79	82	83	83	84	87	88	74	51	41	33	30	27	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	51	54	61	( )	88
9	61	61	62	62	60	60	63	64	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	74	80	89	89	( )	89
10	83	87	88	89	90	91	94	95	95	95	93	92	100	100	100	100	100	100	100	100	100	100	100	100	96	100
11	100	100	100	100	100	100	100	100	100	100	100	100	99	99	99	99	96	92	93	98	99	100	100	100	99	100
12	100	99	99	99	98	98	99	98	99	91	71	70	69	77	88	69	93	82	85	67	76	84	84	91	87	100
13	91	94	98	100	100	100	100	96	81	77	67	63	62	( )	52	51	50	51	52	60	63	66	66	64	74	100
14	65	68	66	64	70	72	73	72	62	48	46	46	46	45	42	40	39	37	36	41	59	57	59	61	55	73
15	62	56	50	53	54	61	55	53	42	37	36	35	35	34	32	30	28	23	28	39	50	53	53	51	44	62
16	54	57	60	61	63	56	53	58	43	36	32	29	28	27	25	24	24	24	25	33	43	47	50	48	42	63
17	47	47	51	48	44	45	44	44	46	42	40	38	35	31	31	30	32	36	36	38	44	48	50	54	42	54
18	54	53	50	46	46	47	49	50	48	45	40	38	34	33	31	31	32	32	32	35	36	38	43	51	41	54
19	54	58	69	86	93	87	88	92	(RF)	(RF)	45	38	39	36	35	34	29	50	59	66	74	72	82	93	63	93
20	100	100	100	100	100	100	100	100	94	78	63	49	33	30	27	26	25	24	24	24	30	40	46	49	61	100
21	49	53	53	51	51	53	53	55	55	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	50	( )	55
22	50	(RF)	50	(RF)	(RF)	52	(RF)	51	49	50	48	46	44	42	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	45	50	51	( )	52
23	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	40	38	38	(RF)	(RF)	(RF)	29	29	(RF)	(RF)	31	34	34	34	( )	40
24	(RF)	(RF)	(RF)	(RF)	50	58	70	76	77	75	(RF)	(RF)	39	31	30	30	29	29	(RF)	(RF)	(RF)	(RF)	(RF)	46	( )	77
25	77	68	90	100	100	100	96	98	98	86	74	66	55	50	42	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	53	( )	100
26	69	61	64	66	68	69	72	75	76	76	72	58	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	44	( )	76
27	46	46	48	52	58	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	32	32	31	30	30	32	37	48	63	71	77	80	( )	80
28	82	84	91	92	94	96	100	100	97	66	(RF)	(RF)	72	(RF)	(RF)	51	45	(RF)	(RF)	(RF)	(RF)	(RF)	55	60	( )	100
29	65	66	73	79	79	79	84	86	86	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	56	( )	86
30	61	70	70	75	78	78	80	83	85	82	67	50	42	35	33	31	28	31	(RF)	(RF)	(RF)	(RF)	54	56	59	85
AV	69	71	73	75	75	75	77	77	73	64	54	49	47	44	46	46	44	47	( )	( )	( )	63	64	64	( )	
PK	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		100

(06/21/79-RPI)

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER A823
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
4	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
5	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
6	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
7	0	0	0	0	0	0	0	7	32	52	66	71	67	63	60	41	30	13	0	0	0	0	0	0	499	71
8	0	0	0	0	0	0	7	23	36	52	64	70	74	69	61	45	27	1	0	0	0	0	0	0	528	74
9	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
10	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
11	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	( )
12	0	0	0	0	0	0	0	6	16	39	25	39	35	64	6	19	11	0	0	0	0	0	0	0	258	64
13	0	0	0	0	0	0	0	0	17	26	46	62	72	56	50	43	22	10	0	0	0	0	0	0	403	72
14	0	0	0	0	0	0	3	20	38	54	67	74	78	75	69	52	36	18	2	0	0	0	0	0	585	78
15	0	0	0	0	0	0	8	25	43	59	70	77	79	76	67	54	37	18	2	0	0	0	0	0	615	79
16	0	0	0	0	0	0	9	27	44	60	71	78	80	76	67	53	37	19	3	0	0	0	0	0	622	80
17	0	0	0	0	0	0	3	18	44	59	71	77	80	70	64	36	20	10	3	0	0	0	0	0	555	80
18	0	0	0	0	0	0	9	27	44	60	71	78	80	76	66	50	35	19	2	0	0	0	0	0	615	80
19	0	0	0	0	0	0	6	29	48	41	50	67	80	80	70	48	38	13	3	0	0	0	0	0	574	80
20	0	0	0	0	0	1	18	41	56	60	72	79	81	77	68	54	37	19	3	0	0	0	0	0	664	81
21	0	0	0	0	0	0	12	25	40	57	69	59	49	53	26	46	36	22	4	0	0	0	0	0	495	69
22	0	0	0	0	0	0	10	28	33	55	57	60	56	61	57	25	18	13	3	0	0	0	0	0	474	61
23	0	0	0	0	0	0	14	27	46	42	48	77	80	74	45	50	20	7	2	0	0	0	0	0	531	80
24	0	0	0	0	0	0	5	24	30	35	54	75	70	65	60	46	24	7	1	0	0	0	0	0	495	75
25	0	0	0	0	0	1	11	27	26	40	63	64	67	47	54	19	(IM)	(IM)	5	0	0	0	0	0	424	67
26	0	0	0	0	0	1	13	30	45	62	74	79	82	80	72	55	30	15	4	0	0	0	0	0	640	82
27	0	0	0	0	0	1	12	29	46	62	75	80	78	77	49	44	28	12	2	0	0	0	0	0	595	80
28	0	0	0	0	0	1	12	26	48	43	34	51	55	73	43	38	27	19	6	0	0	0	0	0	476	73
29	0	0	0	0	0	1	14	31	48	63	75	71	56	46	33	24	19	8	3	0	0	0	0	0	491	75
30	0	0	0	0	0	2	14	28	47	60	73	63	42	38	39	16	11	13	5	0	0	0	0	0	450	73
TL	0	0	0	0	0	7	180	497	826	1079	1293	1451	1437	1393	1124	855	543	253	52	0	0	0	0	0	10990	
PK	0	0	0	0	0	2	18	41	56	63	75	80	82	80	72	55	38	22	6	0	0	0	0	0		82

(06/21/79-RPI)

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER AB23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	782	782	782	781	781	781	781	781	781	781	781	781	781	781	781	781	781	780	780	781	781	782	782	782	781	782
2	782	782	782	781	781	781	781	781	781	781	781	780	780	779	779	779	779	779	780	780	780	781	781	781	780	782
3	781	781	781	781	781	782	782	782	783	783	783	783	783	783	783	783	783	783	783	783	783	784	784	784	783	784
4	784	784	784	784	784	784	784	784	784	785	785	785	785	784	784	784	784	784	784	784	785	785	785	785	784	785
5	785	785	785	785	785	785	786	786	786	787	787	787	787	787	787	786	786	786	786	786	786	786	786	786	786	787
6	786	786	786	786	786	785	785	785	785	785	785	785	784	783	783	782	782	782	781	782	782	782	782	782	784	786
7	782	782	782	782	782	783	783	783	784	784	784	784	784	784	783	783	783	783	783	784	785	786	786	786	783	786
8	786	786	786	786	786	786	786	787	787	787	786	786	785	785	784	784	783	783	783	782	783	783	782	782	785	787
9	781	781	780	779	779	778	778	778	777	776	776	775	775	774	773	772	772	771	771	771	771	771	770	770	775	781
10	769	769	768	767	767	766	766	766	766	766	766	766	766	766	767	767	767	768	768	769	769	769	769	769	767	769
11	769	769	769	769	769	769	769	770	770	770	771	771	771	772	772	772	773	773	773	773	774	774	774	775	771	775
12	775	775	775	775	776	776	777	778	778	779	780	780	780	781	781	781	782	782	782	783	783	783	783	783	779	783
13	783	783	783	783	783	783	783	783	783	783	783	783	783	783	783	782	782	782	783	783	783	783	783	783	783	783
14	783	783	783	783	783	783	784	784	784	784	785	785	785	785	784	784	784	784	784	784	784	784	784	784	784	785
15	784	784	784	784	784	784	784	784	785	785	785	785	785	785	784	784	784	784	784	784	785	785	785	785	784	785
16	785	785	785	785	785	785	785	785	785	786	785	785	785	784	783	783	782	782	782	781	781	781	782	782	784	786
17	781	781	781	781	781	781	781	781	781	781	781	781	780	780	779	778	778	778	776	777	773	778	778	778	780	781
18	778	778	778	778	778	779	779	779	779	779	779	778	778	778	777	777	777	777	777	778	779	779	779	779	773	779
19	780	780	781	781	781	782	782	783	783	783	784	784	784	784	784	784	784	785	785	786	786	786	787	787	783	787
20	787	787	787	788	788	788	788	788	789	789	789	789	788	788	787	787	787	787	787	787	787	788	788	788	788	789
21	788	787	787	787	787	787	787	787	787	787	787	786	786	786	785	785	785	785	784	785	785	785	785	785	786	788
22	785	785	785	785	785	785	785	785	785	785	785	785	784	784	783	783	783	782	782	782	783	783	783	783	784	785
23	783	783	782	782	782	782	782	782	782	782	782	782	781	781	780	780	780	779	779	779	780	780	779	780	781	783
24	780	779	780	780	781	781	781	781	781	781	781	781	780	780	780	780	779	780	780	780	780	781	782	783	781	783
25	783	783	783	784	784	784	784	785	785	785	785	785	785	785	785	784	(IM)	(IM)	784	784	785	785	785	785	784	785
26	785	785	785	785	785	785	786	786	786	786	786	785	785	784	784	784	783	783	783	783	784	784	784	784	785	786
27	784	784	784	784	785	785	785	785	785	785	785	785	785	784	784	783	783	783	783	783	784	784	784	784	784	785
28	784	784	784	785	785	785	785	785	785	785	785	786	786	785	785	785	785	785	784	785	785	785	785	785	785	786
29	785	785	785	785	785	785	785	785	785	785	785	785	784	784	784	784	784	783	783	784	784	784	784	784	784	785
30	784	784	784	783	783	783	783	783	783	783	783	782	782	782	781	780	781	781	780	780	781	780	780	780	782	784
AV	782	782	782	782	782	782	782	782	782	783	783	782	782	782	782	781	781	781	781	781	782	782	782	782	782	
PK	788	787	787	788	788	788	788	788	789	789	789	789	788	788	787	787	787	787	787	787	787	788	788	788		789

PRECIPITATION
CM*100

C8-TRACT
TRAILER AB20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1							3	3	5	3	5	3	3	3	(TR)	(TR)	(TR)	(TR)					5	8	38	8
2	10	3	3	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3													19	10
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10							(TR)	(TR)	(TR)	(TR)	3	15	5	15	8	8	13	8	5	5	3	10	8	8	112	15
11	13	10	5	8	10	3	15	23	5	13	10	5	5	3	8	3	3	8	(TR)	(TR)	(TR)	(TR)			147	23
12																								(TR)	( )	
13	3																								3	3
14																									( )	
15																									( )	
16																									( )	
17																									( )	
18																									( )	
19																									( )	
20																									( )	
21																									( )	
22																									( )	
23																									( )	
24																									( )	
25																									( )	
26																									( )	
27																									( )	
28																									( )	
29																									( )	
30																									( )	
TL	25	13	8	8	10	3	18	25	10	15	18	25	13	20	15	10	15	15	5	5	3	10	13	15	317	
PK	13	10	5	8	10	3	15	23	5	13	10	15	5	15	8	8	13	8	5	5	3	10	8	8		23

(06/21/79-RPI)

PRECIPITATION
CM*100

CB-TRACT
TRAILER AB23
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1						(TR)	3	3	(TR)	3	3			18	15							(TR)	(TR)	8	51	18
2	5	(TR)	(TR)	3	(TR)	(TR)	(TR)	(TR)	3	3															13	5
3																									( )	
4																									( )	
5																									( )	
6																									( )	
7																									( )	
8																									( )	
9																									( )	
10									(TR)	(TR)	8	5	10	8	5	3	10	5	8	5	5	10	3	13	97	13
11	10	5	3	5	5	8	5	25	10	8	5	5	3	5	(TR)	(TR)	(TR)	(TR)	(TR)	(TR)	3	3	(TR)	3	109	25
12	(TR)	(TR)	(TR)	3	(TR)	8	5	3	(TR)	(TR)															18	8
13							5	5																	10	5
14																									( )	
15																									( )	
16																									( )	
17																									( )	
18																									( )	
19																									( )	
20																									( )	
21																									( )	
22																									( )	
23																									( )	
24																									( )	
25																									( )	
26																									( )	
27																									( )	
28																									( )	
29																									( )	
30																									( )	
TL	15	5	3	10	5	15	18	36	13	13	15	10	13	30	20	3	10	5	8	5	8	13	3	23	297	
PK	10	5	3	5	5	8	5	25	10	8	8	5	10	18	15	3	10	5	8	5	5	10	3	13		25

(06/21/79-RPI)

INVERSION HEIGHT
METERS

CB-TRACT
TRAILER AC20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	360	380	380	380	380	( )	380
3	380	360	360	360	380	360	340	320	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	300	440	440	500	500	500	376	500
4	300	340	440	460	460	440	440	400	440	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	300	340	300	300	320	349	460
5	340	320	320	340	400	440	460	400	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	240	360	360	340	300	324	460
6	400	440	500	400	400	500	440	460	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	160	240	240	220	300	340	500
7	360	360	400	280	300	300	320	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	300	260	200	140	200	273	400
8	360	350	360	300	300	300	300	340	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	340	240	300	300	300	286	360
9	340	320	320	340	320	340	360	200	200	140	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	130	200	400	500	400	288	500
10	280	240	300	320	240	300	460	540	600	600	400	500	(NV)	(NV)	(NV)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	398	600
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	200	300	280	260	300	( )	300
12	300	400	400	320	300	300	300	300	200	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	140	200	320	440	380	288	440
13	460	440	380	380	400	440	460	500	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	260	360	400	460	400	396	500
14	500	520	480	460	440	460	460	440	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	200	300	440	440	460	400	520
15	400	440	440	440	500	420	400	400	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	340	420	440	400	440	385	500
16	440	440	440	500	420	400	440	400	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	240	240	340	340	400	356	500
17	400	480	380	380	360	360	300	240	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	160	300	360	340	400	380	329	480
18	340	340	300	260	250	260	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	200	120	200	400	256	400
19	300	400	410	600	480	220	240	340	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	180	200	320	400	400	420	351	600
20	400	400	360	400	380	280	260	200	160	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	360	420	400	340	326	420
21	360	400	320	320	300	260	240	260	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	300	320	310	300	292	400
22	350	400	390	380	440	380	400	300	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	80	200	260	260	260	298	440
23	260	300	300	300	300	400	300	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	200	200	200	180	180	237	400
24	200	260	280	360	420	420	440	460	460	360	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	160	200	280	220	220	300	460
25	340	400	500	480	460	500	500	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	140	300	300	280	320	377	500
26	280	360	360	360	400	400	360	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	200	340	350	340	340	311	400
27	260	340	340	300	240	260	260	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	300	400	340	340	( )	400
28	360	360	320	400	560	520	500	300	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	200	280	460	420	349	560
29	320	380	400	420	420	440	300	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	240	260	380	400	300	319	440
30	340	440	320	320	300	300	300	280	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	300	200	220	260	288	440
AV	347	379	376	377	377	370	362	320	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	129	219	290	327	337	341	326	
PK	500	520	500	600	560	520	500	540	600	600	400	500	( )	( )	( )	( )	( )	100	300	440	440	500	500	500		600

II B-855

(06/21/79-RPI)

STABILITY CLASS @ 50M
0=STB 1=UNST

CB-TRACT
TRAILER AC20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	1	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
22	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
29	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
PV	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0

(06/21/79-RPI)

STABILITY CLASS @ 200M
0=STB 1=UNST

CR-TRACT
TRAILER AC20
APR 1979
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	PREV
1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	( )
2	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	1	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1
8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	0
11	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	1	1	1	1	1	1	1	1	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
15	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
20	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
22	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
23	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
24	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
29	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
30	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
FV	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1

(06/21/79-RPI)

STABILITY CLASS USING DT/DZ
DT 60-10M
WS 10M

CB-TRACT
TRAILER 23
APR 1979
OCCIDENTAL OIL SHALE, INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE
1	E	E	E	E	E	E	E	D	D	D	E	D	D	D	D	E	E	D	D	E	E	E	E	E	E
2	E	E	D	E	E	F	F	E	E	E	E	E	E	D	D	D	D	D	D	E	E	F	E	E	E
3	E	F	E	F	F	E	F	E	E	D	E	D	D	D	E	D	E	D	D	D	E	E	E	E	E
4	F	F	E	F	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E
5	E	E	F	F	F	F	F	F	D	D	D	D	D	D	D	D	D	D	E	E	E	E	F	E	E
6	F	E	F	F	F	F	F	E	D	D	D	D	D	D	D	D	D	D	E	E	F	F	F	F	E
7	E	F	F	F	E	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	( )	E	E	E	E
8	E	E	F	( )	F	( )	( )	E	D	D	D	D	D	D	D	D	D	D	E	F	F	F	F	F	E
9	F	( )	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	D	E	D	E	D	E	E	E
10	D	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	E	F	E	D	D	D	D	D
11	D	D	D	D	D	D	D	D	D	D	C	D	D	D	E	E	D	D	D	E	E	E	E	E	D
12	F	E	E	E	( )	F	F	F	( )	E	E	E	E	E	E	E	D	E	E	E	E	E	E	F	E
13	F	F	F	F	F	F	E	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
14	F	E	F	F	F	F	F	F	E	D	E	E	D	D	D	D	D	D	E	F	E	F	F	F	E
15	E	E	E	F	F	F	F	E	D	D	D	D	D	D	D	D	D	D	E	F	F	F	F	F	E
16	F	F	F	F	E	E	F	E	D	D	C	C	D	C	C	D	D	D	E	F	E	E	E	D	E
17	E	F	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	D	D
18	F	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	F	E	F	D
19	F	E	E	E	F	E	E	D	D	D	D	D	D	D	D	D	D	E	D	E	E	F	E	E	E
20	E	E	E	E	( )	F	E	D	D	D	D	D	D	C	D	D	D	D	E	F	F	F	F	F	E
21	F	F	F	F	E	F	F	F	D	D	D	D	D	D	D	D	D	E	F	F	F	F	( )	F	E
22	F	F	F	F	F	D	D	D	D	D	D	D	D	D	D	D	D	D	E	F	F	E	E	E	E
23	F	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	F	F	E
24	E	F	F	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	E	E	D	D	D	D
25	D	D	D	D	D	E	E	D	D	D	C	D	C	C	C	D	( )	( )	D	E	E	F	F	F	D
26	E	F	E	F	( )	F	F	D	D	D	D	D	D	D	D	D	D	D	E	F	F	F	E	F	E
27	F	F	F	F	F	F	E	D	D	D	D	C	D	D	D	D	E	E	E	D	E	F	F	F	E
28	F	F	F	E	F	F	E	D	D	C	D	C	C	B	C	D	D	D	D	E	E	F	E	E	E
29	F	F	F	F	F	E	E	D	D	D	D	D	D	D	D	D	D	D	E	E	F	F	F	F	E
30	F	F	F	F	F	F	F	D	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E
AVE	E	E	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	E	E	E	E	E	E	E

(06/21/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	1	2	2	2	1	1	1	2	2	1	1	1	2	2	
GT 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120. - 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110. - 120.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100. - 110.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90. - 100.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80. - 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70. - 80.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60. - 70.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50. - 60.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40. - 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. - 40.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20. - 30.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. - 20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT 10.	0	0	1	2	22	44	26	6	4	8	15	6	4	3	3	2	22	168
TOTAL	0	0	1	2	22	44	26	6	4	8	15	6	4	3	3	2	22	168
MEAN CONC.	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/21/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITRIC OXIDE (NO) C-R SHALE OIL PROJECT

TRAILER AB23 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	2	2	2	1	2	1	2	1	1	2	2	2	2	2	3	2	2	
GT 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120. - 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110. - 120.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100. - 110.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90. - 100.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80. - 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70. - 80.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60. - 70.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50. - 60.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40. - 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. - 40.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20. - 30.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. - 20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT 10.	30	12	7	15	19	18	20	37	122	159	66	47	38	40	33	37	10	710
TOTAL	30	12	7	15	19	18	20	37	122	159	66	47	38	40	33	37	10	710
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

II B-860

(06/ /79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	1	3	3	5	5	3	3	3	3	3	3	5	3	3	5	
GT 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120. - 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110. - 120.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100. - 110.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90. - 100.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80. - 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70. - 80.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60. - 70.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50. - 60.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40. - 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. - 40.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20. - 30.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. - 20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT 10.	0	0	1	2	22	44	26	6	4	8	15	6	4	3	3	2	22	168
TOTAL	0	0	1	2	22	44	26	6	4	8	15	6	4	3	3	2	22	168
MEAN CONC.	0	0	1	3	3	2	2	2	3	2	2	3	1	3	3	0	0	2

0 = NO OBSERVATIONS

II B-861

(06/21/79-RP1)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OXIDES OF NITROGEN (NOX) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	9	0	3	2	1	1	1	2	0	9	8	2	2	4	3	5	10	
GT 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120. - 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110. - 120.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100. - 110.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90. - 100.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80. - 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70. - 80.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60. - 70.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50. - 60.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40. - 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. - 40.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20. - 30.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. - 20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
LT 10.	30	12	7	15	19	18	20	37	122	159	66	47	38	40	33	37	9	709
TOTAL	30	12	7	15	19	18	20	37	122	159	66	47	38	40	33	37	10	710
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

0 = NO OBSERVATIONS

II B-862

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-8 SHALE OIL PROJECT

TRAILER AB20 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	1	1	3	3	3	3	3	1	3	1	3	5	3	3	5	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	0	0	1	2	22	44	26	6	4	8	15	6	4	3	3	2	22 :	168
TOTAL :	0	0	1	2	22	44	26	6	4	8	15	6	4	3	3	2	22	168
MEAN CONC.	0	0	1	1	1	1	1	1	2	1	1	1	1	2	2	0	0	1

0 = NO OBSERVATIONS

(06/21/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

NITROGEN DIOXIDE (NO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	7	0	0	0	1	1	1	0	0	7	6	2	1	1	3	1	7	
GT 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120. - 130.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110. - 120.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100. - 110.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90. - 100.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80. - 90.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70. - 80.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60. - 70.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50. - 60.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40. - 50.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30. - 40.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20. - 30.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. - 20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT 10.	31	12	7	15	19	18	20	37	122	159	66	47	39	40	33	37	10	712
TOTAL	31	12	7	15	19	18	20	37	122	159	66	47	39	40	33	37	10	712
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

0 = NO OBSERVATIONS

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	117	78	88	78	133	133	119	141	147	117	115	117	117	182	156	117	170	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0 :	1
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3 :	4
140. - 160. :	0	0	0	0	0	0	0	1	5	0	0	0	0	2	1	0	1 :	10
120. - 140. :	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2 :	5
100. - 120. :	2	0	0	0	2	5	2	0	4	6	7	6	3	4	1	1	4 :	47
80. - 100. :	0	0	1	0	8	15	15	8	6	7	3	2	6	2	2	3	10 :	88
60. - 80. :	0	2	1	3	10	17	23	3	5	7	13	7	4	11	3	2	21 :	132
40. - 60. :	0	1	3	3	14	35	15	6	11	15	13	5	9	9	6	4	17 :	166
20. - 40. :	0	0	0	4	32	46	18	1	0	0	3	1	3	8	6	2	12 :	136
LT 20. :	0	1	1	1	20	30	17	0	0	0	0	0	0	3	1	0	7 :	81
TOTAL :	2	4	6	11	88	149	90	19	31	35	39	21	25	41	20	12	77	670
MEAN CONC.	116	50	50	45	43	45	53	76	84	74	69	76	69	66	58	67	64	58

0 = NO OBSERVATIONS

(06/21/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

OZONE (O3) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	102	105	95	100	113	100	98	117	119	112	116	113	118	114	113	101	97	
GT 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
240. - 260. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
220. - 240. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
200. - 220. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
180. - 200. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
160. - 180. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
140. - 160. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 140. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 120. :	2	2	0	1	2	2	0	10	29	31	32	6	7	5	1	2	0 :	132
80. - 100. :	18	6	4	11	8	8	10	23	80	94	19	26	15	12	13	24	5 :	376
60. - 80. :	9	4	3	2	9	5	10	3	12	35	11	13	13	21	18	11	4 :	183
40. - 60. :	2	0	0	1	0	3	0	1	1	0	4	2	3	2	2	0	1 :	22
20. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
TOTAL :	31	12	7	15	19	18	20	37	122	160	66	47	38	40	34	37	10	713
MEAN CONC.	82	84	82	84	83	78	80	91	92	88	93	86	84	80	79	84	80	87

0 = NO OBSERVATIONS

(06/ /79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB20 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	114	114	114	114	114	114	57	114	57	114	57	172	114	114	114	574	
GT 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3750. -4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500. -3750.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3250. -3500.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3000. -3250.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2750. -3000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500. -2750.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2250. -2500.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000. -2250.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1750. -2000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500. -1750.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1250. -1500.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000. -1250.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT 1000.	2	4	6	11	88	149	90	19	31	35	39	21	25	41	20	12	77	670
TOTAL	2	4	6	11	88	149	90	19	31	35	39	21	25	41	20	12	77	670
MEAN CONC.	0	57	47	10	25	21	24	15	27	18	11	8	41	28	31	38	34	24

0 = NO OBSERVATIONS

(06/21/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

CARBON MONOXIDE (CO) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	765	430	446	647	463	472	570	849	682	511	532	667	461	558	611	614	853	
GT 4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3750. -4000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500. -3750.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3250. -3500.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3000. -3250.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2750. -3000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500. -2750.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2250. -2500.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000. -2250.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1750. -2000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500. -1750.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1250. -1500.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000. -1250.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT 1000.	29	11	7	15	19	18	20	38	119	159	64	47	39	40	36	36	10	707
TOTAL	29	11	7	15	19	18	20	38	119	159	64	47	39	40	36	36	10	707
MEAN CONC.	254	173	206	251	210	278	282	283	202	172	204	254	184	216	188	231	360	213

0 = NO OBSERVATIONS

(06/ /79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

SULFUR DIOXIDE (SO2) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	31	12	7	15	19	18	20	37	122	160	66	47	39	40	33	38	10 :	714
TOTAL :	31	12	7	15	19	18	20	37	122	160	66	47	39	40	33	38	10	714
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

(06/21/79-RPI)

NUMBER OF ONE HOUR SAMPLES BY CONCENTRATION AND WIND DIRECTION AT 10 METERS

HYDROGEN SULFIDE (H2S) C-B SHALE OIL PROJECT

TRAILER AB23 PERIOD(4 /01/79 TO 4 /30/79)

CONCENTRATION MAX UG/M**3	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GT 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
120. - 130. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
110. - 120. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
100. - 110. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
90. - 100. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
80. - 90. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
70. - 80. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
60. - 70. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
50. - 60. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
40. - 50. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
30. - 40. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
20. - 30. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
10. - 20. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
LT 10. :	30	11	7	15	19	18	20	37	118	157	63	46	39	40	32	36	10 :	698
TOTAL :	30	11	7	15	19	18	20	37	118	157	63	46	39	40	32	36	10	698
MEAN CONC.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION A820 PERIOD(4 /01/79 TO 4 /30/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	2	3	1	1	3	5	6	6	7	8	6	6	6	7	5	4	5	
GT 11.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. - 11.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
5. - 8.	0	0	0	0	0	1	8	5	6	8	7	4	3	3	1	0	1	47
3. - 5.	0	2	0	0	1	21	42	10	20	18	24	8	10	18	10	5	7	196
1. - 3.	2	2	4	1	52	106	39	3	5	8	8	9	10	20	7	7	48	331
LT 1.	0	0	2	6	31	19	0	1	0	0	0	0	2	0	2	0	20	83
TOTAL	2	4	6	7	84	147	89	19	31	35	39	21	25	41	20	12	76	658
PERCENT	0.	1.	1.	1.	13.	22.	14.	3.	5.	5.	6.	3.	4.	6.	3.	2.	12.	100.

0 = NO OBSERVATIONS

II B-871

(06/21/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL — C-B SHALE OIL PROJECT

STATION AB23 PERIOD(4 /01/79 TO 4 /30/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	5	4	2	2	3	4	3	7	8	9	8	5	4	5	4	5	0	
GT 11.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. - 11.	0	0	0	0	0	0	0	0	3	10	1	0	0	0	0	0	0	14
5. - 8.	1	0	0	0	0	0	0	14	47	38	24	1	0	1	0	1	0	127
3. - 5.	4	1	0	0	1	2	2	9	29	48	17	11	9	11	14	12	0	170
1. - 3.	19	8	5	7	13	12	15	14	40	58	18	28	21	20	16	20	0	314
LT 1.	7	3	2	8	5	4	3	1	3	6	6	7	9	8	6	5	0	83
TOTAL	31	12	7	15	19	18	20	38	122	160	66	47	39	40	36	38	0	708
PERCENT	4.	2.	1.	2.	3.	3.	3.	5.	17.	23.	9.	7.	6.	6.	5.	5.	0.	100.

0 = NO OBSERVATIONS

II B-872

(06/21/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

30 METER LEVEL

C-B SHALE OIL PROJECT

STATION AB23 PERIOD(4 /01/79 TO 4 /30/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	
GT 11.	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
8. - 11.	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
5. - 8.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. - 5.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. - 3.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LT 1.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
PERCENT	0.	0.	0.	0.	0.	0.	0.	0.	0.	100.	0.	0.	0.	0.	0.	0.	0.	100.

0 = NO OBSERVATIONS

(06/21/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

60 METER LEVEL — C-B SHALE OIL PROJECT

STATION AB23 PERIOD(4 /01/79 TO 4 /30/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VAR	TOTAL
	5	6	3	3	5	3	4	7	9	9	11	9	6	5	4	6	0	
GT 11.	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
8. - 11.	0	0	0	0	0	0	0	0	11	7	29	3	0	0	0	0	0	50
5. - 8.	7	2	0	0	1	0	0	5	23	33	59	35	4	3	0	3	0	175
3. - 5.	6	3	2	1	1	1	3	2	9	30	46	24	19	12	19	16	0	194
1. - 3.	16	7	8	3	5	9	13	8	13	20	18	15	22	17	18	25	0	217
LT 1.	5	4	2	4	1	2	4	1	4	2	7	11	6	7	1	5	0	66
TOTAL	34	16	12	8	8	12	20	16	60	92	162	88	51	39	38	49	0	705
PERCENT	5.	2.	2.	1.	1.	2.	3.	2.	9.	13.	23.	12.	7.	6.	5.	7.	0.	100.

0 = NO OBSERVATIONS

(06/[illegible]/79-RPI)

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD42 PERIOD(4/01/79 TO 4/30/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	2	5	9	4	9	4	6	9	13	13	11	9	9	9	5	9	2	
GT 11. :	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0 :	2
8. - 11. :	0	0	1	0	1	0	0	4	3	6	6	1	1	1	0	1	0 :	25
5. - 8. :	0	0	0	0	1	0	3	13	18	21	26	11	4	3	0	1	0 :	101
3. - 5. :	0	3	3	2	5	4	10	8	14	25	21	13	15	17	12	3	0 :	155
1. - 3. :	2	13	22	56	99	57	17	21	18	12	11	13	30	23	15	9	11 :	429
LT 1. :	0	0	0	1	0	1	0	1	1	1	0	0	0	0	1	0	2 :	8
TOTAL :	2	16	26	59	106	62	30	47	55	66	64	38	50	44	28	14	13	720
PERCENT	0.	2.	4.	8.	15.	9.	4.	7.	8.	9.	9.	5.	7.	6.	4.	2.	2.	100.

0 = NO OBSERVATIONS

FREQUENCY TABLE OF WIND SPEED BY DIRECTION

10 METER LEVEL

C-B SHALE OIL PROJECT

STATION AD56 PERIOD(4/01/79 TO 4/30/79)

WIND SPEED MAX METERS/SEC	WIND DIRECTION N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM	TOTAL
	2	2	3	4	3	4	4	6	9	6	7	3	4	4	6	4	0	
GT 11. :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 :	0
8. - 11. :	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0 :	1
5. - 8. :	0	0	0	0	0	0	0	1	7	4	2	0	0	0	1	0	0 :	15
3. - 5. :	0	0	0	2	0	1	2	11	44	10	5	0	1	5	10	2	0 :	93
1. - 3. :	3	3	18	47	66	79	78	86	63	20	22	14	15	19	41	9	0 :	583
LT 1. :	0	0	0	0	0	1	1	2	1	0	0	0	1	0	0	3	0 :	9
TOTAL :	3	3	18	49	66	81	81	100	116	34	29	14	17	24	52	14	0	701
PERCENT	0.	0.	3.	7.	9.	12.	12.	14.	17.	5.	4.	2.	2.	3.	7.	2.	0.	100.

0 = NO OBSERVATIONS

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB20
April 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-Hr	1	18	00	63.2	ug/m^3
		2	30	00	40.7	ug/m^3
		3	24	00	39.0	ug/m^3
		4	21	00	33.2	ug/m^3
		5	27	00	24.0	ug/m^3
OZONE	1-Hr	1	26	14	182.5	ug/m^3
		2	26	13	170.7	ug/m^3
		3	27	12	166.8	ug/m^3
		4	27	13	164.8	ug/m^3
		5	27	11	160.9	ug/m^3
CO	1-Hr	1	12	12	600.0	ug/m^3
		2	11	7	200.0	ug/m^3
		3	4	18	100.0	ug/m^3
		4	4	19	100.0	ug/m^3
		5	4	20	100.0	ug/m^3
CO	8-Hr	1	12	5	100.0	ug/m^3
		2	23	5	100.0	ug/m^3
		3	24	5	100.0	ug/m^3
		4	27	1	100.0	ug/m^3
		5	10	5	100.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
April 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-Hr	1	18	00	80.6	ug/m^3
		2	24	00	45.9	ug/m^3
		3	30	00	35.5	ug/m^3
		4	21	00	24.4	ug/m^3
		5	15	00	20.1	ug/m^3
CARBON MONOXIDE	1-Hr	1	8	7	1500.0	ug/m^3
		2	17	8	1400.0	ug/m^3
		3	17	10	1300.0	ug/m^3
		4	27	13	1300.0	ug/m^3
		5	17	9	1300.0	ug/m^3
	8-Hr	1	17	3	1000.0	ug/m^3
		2	8	1	1000.0	ug/m^3
		3	27	7	900.0	ug/m^3
		4	5	24	800.0	ug/m^3
		5	20	1	800.0	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
TRAILER AB23
April 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
SULFUR DIOXIDE	3-Hr	1	1	1	0.8	ug/m^3
		2	1	4	0.8	ug/m^3
		3	1	7	0.8	ug/m^3
		4	1	10	0.8	ug/m^3
		5	1	13	0.8	ug/m^3
	24-Hr	1	1	1	0.8	ug/m^3
		2	2	1	0.6	ug/m^3
		3	3	12	0.5	ug/m^3
		4	4	12	0.5	ug/m^3
		5	24	14	0.5	ug/m^3
OZONE	1-Hr	1	16	12	119.3	ug/m^3
		2	8	16	118.7	ug/m^3
		3	8	15	117.7	ug/m^3
		4	16	18	117.7	ug/m^3
		5	16	17	117.3	ug/m^3

FIVE MAXIMUM INDEPENDENT SLIDING AVERAGE

C-b TRACT
SITE AD56
April 1979
OCCIDENTAL OIL SHALE, INC.

COMPONENT	AVE TIME	RANK	DAY	HOUR (BEG) LST	VALUE	UNITS
PARTICULATE	24-Hr	1	18	00	49.3	ug/m^3
		2	24	00	40.4	ug/m^3
		3	30	00	27.2	ug/m^3
		4	21	00	21.3	ug/m^3
		5	6	00	15.0	ug/m^3

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
April 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	CO
MULTIPOINT RECORDER	23	23	23	93	93
DATA ACQUISITION SYSTEM	0	0	0	0	0
OTHER SYSTEMS					
MONTHLY TOTAL	23	23	23	93	93

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB20
April 1979
OCCIDENTAL OIL SHALE, INC.

	WS	WD	TEMP	INVERS. HT	STB 50m	STB 200m	PART	PRECIP.
MULTIPOINT RECORDER	93	93	79					
DATA ACQUISITION SYSTEM	0	0	0					
OTHER SYSTEMS				92	92	92	100	100
MONTHLY TOTAL	93	93	79	92	92	92	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
April 1979
OCCIDENTAL OIL SHALE, INC.

	NO	NO_x	NO_2	O_3	SO_2	H_2S	CO	BAR PRESS.	SOLAR RAD.
MULTIPOINT RECORDER	-	-	-	-	-	-	-	-	-
DATA ACQUISITION SYSTEM	99	99	99	99	99	99	99	99	69
OTHER SYSTEMS									
MONTHLY TOTALS	99	99	99	99	99	99	99	99	69

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
April 1979
OCCIDENTAL OIL SHALE, INC

	SIGMA HWD 10m	SIGMA HWD 60m	WS 10m	WS 30m	WS 60m	WD 10m	WD 30m	WD 60m
MULTIPOINT RECORDER	-	-	-	-	-	-	-	-
DATA ACQUISITION SYSTEM	99	99	99	1	99	99	99	99
OTHER SYSTEMS								
MONTHLY TOTALS	99	99	99	1	99	99	99	99

EFFICIENCY REPORT
PERCENT

C-b TRACT
TRAILER AB23
April, 1979
OCCIDENTAL OIL SHALE, INC.

	TMP 10m	TMP 30m	TMP 60m	DT 60-10m	RH	PART	PREC
MULTIPOINT RECORDER	-	-	-	-			
DATA ACQUISITION SYSTEM	99	99	99	99			
OTHER SYSTEMS					83	100	100
MONTHLY TOTALS	99	99	99	99	83	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD42
April 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m
MULTIPOINT RECORDER			
DATA ACQUISITION SYSTEM			
OTHER SYSTEMS	100	100	100
MONTHLY REPORTS	100	100	100

EFFICIENCY REPORT
PERCENT

C-b TRACT
SITE AD56
April, 1979
OCCIDENTAL OIL SHALE, INC.

	WS 10m	WD 10m	TMP 10m	PART
MULTIPOINT RECORDER				
DATA ACQUISITION SYSTEM				
OTHER SYSTEMS	97	97	97	100
MONTHLY TOTALS	97	97	97	100

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DATA CORRECTIONS

INVERSION HEIGHT
METERS

CB-TRACT
TRAILER AC20
JUNE 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	180	200	210	220	230	210	180	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	170	280	350	340	219	350
2	200	220	240	300	280	230	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	110	160	250	250	240	217	300
3	320	240	230	250	300	350	280	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	180	230	390	410	264	410
4	480	500	420	300	300	370	340	130	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(RF)	(RF)	(RF)	(RF)	(RF)	( )	500
5	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(RF)	(NV)	(NV)	(NV)	(NV)	280	180	220	(NV)	110	230	370	430	380	( )	430
6	450	490	440	370	320	260	250	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	65	390	390	410	380	327	490
7	410	350	290	310	380	350	280	200	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	350	430	430	330	332	430
8	320	320	360	290	310	320	230	180	70	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	240	310	300	290	264	360
9	320	310	290	260	330	360	300	200	50	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	60	150	160	140	220	235	360
10	230	220	210	200	190	200	120	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	70	100	190	190	310	178	310
11	260	160	180	270	360	310	200	80	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	160	180	180	180	200	360
12	230	290	260	240	250	230	180	60	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	40	150	200	220	230	198	290
13	250	230	210	210	220	230	210	90	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	80	210	270	270	207	270
14	270	280	270	230	(RF)	(RF)	230	(RF)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(RF)	(RF)	(NV)	(RF)	(RF)	160	200	200	( )	280
15	230	230	230	220	210	200	180	100	(NV)	(NV)	(NV)	(NV)	(NV)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	230
16	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
17	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
18	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
19	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
20	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
21	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
22	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
23	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	200	310	320	300	( )	320
24	280	330	350	370	370	400	330	160	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	160	200	220	200	281	400
25	200	240	250	230	230	170	140	200	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	70	170	230	240	250	194	250
26	300	310	320	390	440	390	220	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	90	250	350	380	300	295	440
27	410	340	340	300	260	230	240	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	250	370	340	460	( )	460
28	410	440	420	320	280	330	330	100	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	(NV)	100	350	320	330	240	305	440
29	540	650	570	490	460	400	320	380	250	(NV)	(NV)	(NV)	(NV)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	650
30	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
AV	315	318	305	289	301	292	234	147	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )	204	267	298	298	243	
PK	540	650	570	490	460	400	340	380	250	( )	( )	( )	( )	( )	( )	280	180	220	60	200	350	430	430	460		490

II B-889

(06/26/79-RP1)

BAROMETRIC PRESSURE
MILLIBARS

CB-TRACT
TRAILER 23
JULY 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
2	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
3	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	789	789	788	787	787	787	786	786	785	785	786	786	786	786	786	787	789
4	787	787	787	788	788	789	789	789	790	790	790	789	789	789	789	789	789	789	789	789	789	790	790	790	789	790
5	790	790	790	790	790	790	790	790	790	790	789	789	789	789	789	788	788	788	788	787	788	789	789	790	789	790
6	790	789	789	789	790	790	790	790	791	791	791	791	789	790	790	790	790	790	790	790	790	792	792	793	790	793
7	793	793	793	793	793	793	793	793	793	793	793	792	792	792	791	790	790	790	790	790	790	790	790	790	792	793
8	790	790	790	791	791	791	792	792	792	793	793	793	793	792	792	792	792	792	791	791	791	791	792	792	792	793
9	792	792	792	792	792	793	793	793	793	793	793	793	793	792	792	792	791	791	791	791	791	791	792	792	792	793
10	792	792	792	792	792	792	792	792	792	792	792	791	790	789	788	787	786	784	783	783	783	784	784	783	789	792
11	783	782	782	782	782	781	779	778	777	776	774	774	773	780	786	787	787	786	786	786	786	787	787	787	782	787
12	787	787	787	787	787	788	788	788	789	789	789	789	789	789	788	788	788	788	788	788	789	789	789	789	788	789
13	789	789	789	789	790	790	790	791	791	791	791	791	791	790	790	790	790	790	790	790	790	791	791	791	790	791
14	791	791	790	790	790	791	791	791	791	791	792	791	791	791	791	790	790	790	790	790	790	790	790	790	791	792
15	790	790	790	790	790	791	791	791	792	792	791	791	791	791	791	791	791	791	791	791	791	791	791	791	791	792
16	790	790	790	790	790	790	790	790	790	790	790	789	789	788	788	787	787	786	786	787	788	788	788	788	789	790
17	788	788	788	788	788	788	789	789	789	789	789	788	788	788	788	788	788	789	790	790	790	790	790	789	789	790
18	789	789	789	789	790	790	791	791	791	792	792	792	791	791	791	791	790	790	790	790	791	791	791	791	791	792
19	791	791	792	792	792	792	792	792	791	790	790	790	790	789	789	790	789	789	789	789	789	789	789	790	790	792
20	789	789	789	789	789	789	789	789	787	787	787	787	786	787	787	787	786	786	786	786	786	786	786	786	787	789
21	786	786	786	786	786	787	787	788	788	789	789	789	789	787	786	786	786	786	786	787	787	788	789	790	787	790
22	790	791	791	791	791	791	792	792	792	792	792	792	791	791	790	790	789	789	789	789	789	789	790	790	791	792
23	790	790	790	790	790	790	791	791	791	791	791	791	790	790	790	789	789	789	789	789	786	789	790	790	790	791
24	790	790	790	790	790	790	791	791	791	791	791	791	791	790	790	790	790	790	790	790	790	790	790	790	790	791
25	790	790	790	791	791	792	792	792	792	792	792	792	792	792	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	791	792
26	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	793	793	792	792	792	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	( )	793
27	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	(OE)	790	790	790	790	790	789	789	788	788	788	787	787	788	788	789	789	789	790
28	790	790	790	790	790	791	791	791	791	792	792	792	791	791	790	790	789	789	789	790	790	790	790	791	790	792
29	792	792	791	791	791	791	792	792	792	791	791	791	791	791	791	790	790	790	790	790	790	791	791	791	791	792
30	791	791	791	791	791	791	792	792	792	792	792	792	791	791	790	790	790	789	789	789	789	790	789	789	791	792
31	789	789	789	789	789	789	789	790	790	790	789	789	789	789	789	788	788	788	788	788	788	789	789	789	789	790
AV	790	790	790	790	790	790	790	790	790	790	790	790	790	790	789	789	789	789	789	789	789	789	789	790	789	
PK	793	793	793	793	793	793	793	793	793	793	793	793	793	792	792	792	792	792	791	791	791	792	792	793		793

II B-890

(05/16/79-RPI)

TEMPERATURE @ 60M *
DEGREE C

CB-TRACT
TRAILER 23
SEPT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	21	20	18	17	17	16	16	19	21	22	22	24	24	24	24	23	24	24	24	22	21	20	20	19	21	24
2	19	18	18	18	15	16	17	17	21	23	23	24	24	24	25	26	26	26	24	21	21	20	19	19	21	26
3	19	19	19	17	17	16	19	19	22	23	24	26	26	25	25	26	26	26	26	24	23	22	22	22	22	26
4	21	21	20	19	20	19	19	18	22	25	26	26	27	27	27	27	27	27	26	26	24	24	24	22	23	27
5	21	21	21	22	21	20	20	21	25	26	27	27	27	27	27	27	28	28	26	26	25	24	23	22	24	28
6	22	21	19	21	20	20	20	21	23	24	24	25	25	26	27	28	28	27	26	24	23	21	19	21	23	28
7	22	21	20	20	20	19	19	20	20	22	22	22	25	25	14	14	14	14	14	14	14	13	14	15	18	25
8	15	15	14	14	17	18	(	)	(	)	18	19	19	21	22	21	22	22	20	20	19	19	19	16	19	22
9	16	15	16	16	15	16	14	18	21	21	22	22	23	23	24	24	23	23	23	21	20	20	20	19	20	24
10	20	18	17	17	13	16	15	18	19	20	19	20	22	23	23	23	23	22	22	21	19	18	19	15	19	23
11	13	10	9	8	6	4	4	5	7	7	8	8	10	12	14	14	13	9	7	6	5	4	4	4	8	14
12	4	4	4	1	2	2	2	3	6	7	7	8	10	11	12	13	12	13	12	12	11	10	8	7	8	13
13	5	5	4	4	4	4	5	4	6	6	8	11	12	14	15	15	16	16	15	16	14	12	13	12	10	16
14	11	11	10	9	9	10	8	8	8	10	14	17	17	18	18	18	19	18	17	14	14	13	13	13	13	19
15	13	13	13	12	10	10	12	14	15	16	18	18	19	19	20	20	19	18	18	17	15	14	14	14	16	20
16	14	13	12	11	12	11	12	12	14	15	17	20	20	20	20	21	19	19	18	17	16	16	15	16	16	21
17	14	15	13	12	12	11	10	9	11	13	14	16	16	17	18	18	18	15	14	15	14	14	15	14	14	18
18	14	14	13	13	3	1	1	0	0	0	2	3	2	3	4	5	5	5	4	3	2	2	2	1	4	14
19	0	-1	-1	-2	-1	-1	-2	-2	-2	-1	0	2	1	0	-1	-1	-2	-2	-1	-1	-1	-2	-2	-2	-1	2
20	-2	-1	-3	-2	-2	-2	-2	-2	-2	0	-1	0	1	2	3	4	5	4	4	3	2	2	2	2	1	5
21	1	-1	-1	-1	-1	-1	-1	0	2	4	7	9	10	13	14	15	15	14	13	12	11	10	8	8	7	15
22	9	8	9	9	9	9	9	9	12	15	17	18	19	19	20	21	20	20	18	16	14	14	15	14	14	21
23	14	13	14	13	13	12	12	13	14	18	19	19	21	22	22	22	22	22	21	20	18	16	15	15	17	22
24	14	14	14	12	12	12	12	11	13	15	15	17	22	22	22	22	22	21	20	19	17	16	16	15	17	22
25	15	14	14	13	12	12	12	12	13	17	18	19	20	21	21	22	22	21	21	19	18	18	16	16	17	22
26	15	15	14	14	13	12	12	13	14	17	19	20	22	21	22	23	22	21	20	19	16	16	16	15	17	23
27	16	15	14	14	13	11	12	12	14	18	21	22	23	24	23	23	23	23	21	21	20	18	17	17	19	24
28	17	18	17	16	16	16	16	17	20	21	22	23	24	23	25	24	24	23	22	21	20	19	19	19	20	25
29	17	17	18	17	15	14	12	12	12	15	17	18	19	20	20	20	20	20	18	18	16	14	13	11	16	20
30	11	11	11	10	10	9	9	9	12	14	14	17	19	21	22	22	22	23	20	20	18	19	17	17	16	23
AV	14	13	13	12	12	11	11	11	13	15	16	17	18	19	19	19	19	19	18	17	16	15	14	14	15	
PK	22	21	21	22	21	20	20	21	25	26	27	27	27	27	27	28	28	28	26	26	25	24	24	22		28

* COMPUTED USING TEMP @10m AND DELTA T 60-10m

(05/15/79-RPI)

SOLAR RADIATION
LANGLEY

CB-TRACT
TRAILER 23
SEPT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TL	PEAK
1	0	0	0	0	0	0	7	23	41	58	70	80	50	55	41	16	25	11	2	0	0	0	0	0	479	80
2	0	0	0	0	0	0	6	23	43	38	53	53	44	23	32	32	21	13	0	0	0	0	0	0	381	53
3	0	0	0	0	0	0	7	22	38	52	64	72	58	49	41	19	23	7	0	0	0	0	0	0	452	72
4	0	0	0	0	0	0	4	16	53	43	48	58	61	53	47	16	13	9	0	0	0	0	0	0	425	61
5	0	0	0	0	0	0	9	25	38	53	65	72	72	68	57	43	27	10	0	0	0	0	0	0	539	72
6	0	0	0	0	0	0	7	22	37	52	64	73	57	47	40	46	24	11	2	0	0	0	0	0	482	73
7	0	0	0	0	0	0	4	21	30	28	50	61	57	49	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	399	61
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	68	62	89	84	70	52	28	13	2	0	0	0	0	0	468	89
9	0	0	0	0	0	0	5	19	28	59	65	76	77	73	63	47	29	10	1	0	0	0	0	0	552	77
10	0	0	0	0	0	0	7	22	11	42	40	30	52	67	44	29	25	17	0	0	0	0	0	0	336	67
11	0	0	0	0	0	0	0	4	18	44	22	54	32	47	64	33	23	1	0	0	0	0	0	0	342	64
12	0	0	0	0	0	0	5	17	38	30	42	55	51	47	42	31	22	10	0	0	0	0	0	0	390	55
13	0	0	0	0	0	0	0	8	(IM)	(IM)	(IM)	(IM)	73	68	58	43	27	10	0	0	0	0	0	0	287	73
14	0	0	0	0	0	0	0	2	8	(IM)	39	58	62	57	31	24	6	2	0	0	0	0	0	0	289	62
15	0	0	0	0	0	0	3	15	20	48	56	47	49	75	41	32	31	10	2	0	0	0	0	0	429	75
16	0	0	0	0	0	0	4	15	32	47	59	42	61	52	40	37	26	11	2	0	0	0	0	0	428	61
17	0	0	0	0	0	0	0	4	10	14	58	65	69	68	61	52	30	11	2	0	0	0	0	0	444	69
18	0	0	0	0	0	0	0	0	2	2	5	13	(IM)	(IM)	36	42	20	6	0	0	0	0	0	0	126	42
19	0	0	0	0	0	0	6	11	12	17	31	31	26	11	3	5	6	2	0	0	0	0	0	0	161	31
20	0	0	0	0	0	0	2	2	13	43	9	29	67	47	52	40	17	4	0	0	0	0	0	0	325	67
21	0	0	0	0	0	0	8	24	39	52	63	68	67	65	56	41	24	7	0	0	0	0	0	0	514	68
22	0	0	0	0	0	0	4	16	31	47	58	66	67	64	54	41	26	8	1	0	0	0	0	0	483	67
23	0	0	0	0	0	0	3	16	31	46	58	65	67	64	55	41	25	8	0	0	0	0	0	0	479	67
24	0	0	0	0	0	0	4	14	32	20	19	28	49	51	29	31	16	2	0	0	0	0	0	0	295	51
25	0	0	0	0	0	0	5	17	33	48	59	64	66	61	51	37	18	5	0	0	0	0	0	0	464	66
26	0	0	0	0	0	0	5	17	32	47	58	65	66	59	42	35	19	9	0	0	0	0	0	0	454	66
27	0	0	0	0	0	0	4	17	35	43	54	61	59	63	30	21	23	2	0	0	0	0	0	0	412	63
28	0	0	0	0	0	0	5	18	30	46	57	70	45	40	53	24	13	5	0	0	0	0	0	0	406	70
29	0	0	0	0	0	0	4	16	31	46	56	64	66	61	51	37	20	6	0	0	0	0	0	0	458	66
30	0	0	0	0	0	0	4	16	32	47	58	64	65	60	51	35	19	5	0	0	0	0	0	0	456	65
TL	0	0	0	0	0	0	122	442	798	1117	1448	1646	1724	1628	1335	932	626	225	14	0	0	0	0	0	12107	
PK	0	0	0	0	0	0	9	25	53	59	70	80	89	84	70	52	31	17	2	0	0	0	0	0		89

II B-892

(05/04/79-RPI)

SULFUR DIOXIDE
(UG/M3)

CB-TRACT
TRAILER 23
SEPT 1978
OCCIDENTAL OIL SHALE INC.

HOUR (LOCAL STANDARD TIME)

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	AVE	PEAK
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	0	0
8	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	(PF)	0	0	0	0	0	0	( )	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	( )	( )
14	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	(IM)	(IM)	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

(05/04/79-RPT)

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